

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

JUN 21 1991

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Series No.  
U-64420

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or L.A. Agreement Designation  
N/A

8. Well Name and No.

Desert Spring Fed. #20-1

9. API Well No.

10. Field and Pool, or Exploratory Area  
Wildcat

11. County or Parish, State

Uintah County, Utah

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P.O. Box 749, Denver, Colorado 80201-0749

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1596' FWL & 1405' FSL (NESW)  
Section 20, T10S-R18E

DIVISION OF  
OIL GAS & MINING

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recommission  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Change of Operator

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

Self Certification Statement

(Note: Report results of multiple completion on Well Completion or Recommission Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measures and true vertical depths for all markers and zones pertinent to this work.)

Effective June 1, 1991 the designated operator for the Desert Spring Federal #20-1 will be:

ANR Production Company  
P.O. Box 749  
Denver, Colorado 80201-0749

ANR Production Company is responsible under the terms and conditions of the lease for the operating conducted upon the leased lands. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by ANR Production Company's Statewide Blanket Drilling Bond #U-382208.

14. I hereby certify that the foregoing is true and correct

Signed Elizabeth Bonita Title Regulatory Analyst

Date June 20, 1991

(This space for Federal or state office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

COASTAL OIL & GAS CORPORATION  
Lease #U-64420, Desert Spring Federal #20-1  
NE/SW, Section 20, T10S, R18E  
Uintah County, Utah

Drilling Prognosis

1. Estimated Tops of Important Geologic Markers:

Uinta	Surface	Wasatch	4710'
		Total Depth	6600'

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

Wasatch	4710'	Gas (Primary Objective)
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If any shallow water zones are encountered, they will be adequately protected and reported; none anticipated. All potentially productive hydrocarbon zones will be cemented off.

3. Pressure Control Equipment: (Schematic Attached)

A. Type: 11" Double Gate Hydraulic.

The Blow-Out Preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Kill line (2-inch minimum).
4. One (1) kill line valve (2-inch minimum).
5. One (1) choke line valve.
6. Two (2) adjustable chokes.
7. Upper kelly cock valve with handle available.
8. Safety valve & subs to fit all-drill strings in use.
9. 2-inch (minimum) choke line.
10. Pressure gauge on choke manifold.

B. Pressure Rating: 2,000 psi

C. Testing Procedure:

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

3. Pressure Control Equipment:

C. Testing Procedure: Continued

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed.
2. Whenever any seal subject to test pressure is broken.
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day.

All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment.

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles which meet the manufacturer's specifications will be used as the backup to the required independent power source. The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in Onshore Operating Order #2.

F. Special Drilling Operations:

In addition to the equipment already specified in Items A through E, above, the following equipment will be in place and operational during air/gas drilling:

1. Properly lubricated and maintained rotating head.
2. Spark arresters on engines or water cooled exhaust.
3. Blooie line discharge 100 feet from wellbore and securely anchored.

3. Pressure Control Equipment:

F. Special Drilling Operations: Continued

4. Straight run on blooie line.
5. Deduster equipment (not required for aerated water system).
6. All cuttings and circulating medium(s) shall be directed into a reserve or blooie pit.
7. Float valve above bit.
8. Automatic igniter or continuous pilot light on the blooie line (not required for aerated water system).
9. Compressors located in the opposite direction from the blooie line and at a minimum of 100 feet from the wellbore.
10. Mud circulating equipment, water, and mud materials (does not have to be pre-mixed) sufficient to maintain the capacity of the hole and circulating tanks or pits.

G. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Operating Order #2.

The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the wellhead but readily accessible to the driller.

Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 100 feet (minimum) from the center of the drill hole to a separate flare pit.

4. The Proposed Casing and Cementing Program: (All New)

A. Casing Program

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Joint</u>	<u>Depth</u>	<u>Set</u>
12-1/4"	8-5/8"	24.0#	K-55	ST&C	0-250'	

4. The Proposed Casing and Cementing Program: (All New)

A. Casing Program - Continued

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Joint</u>	<u>Depth Set</u>
7-7/8"	5-1/2"	17.0#	K-55	LT&C	0-6600'

Casing string(s) will be pressure tested to 0.22 psi per foot, or 1500 psi (not to exceed 70% of the internal yield strength of the casing), whichever is greater, after cementing and prior to drilling out from under the casing shoe.

B. Cementing Program

Surface Casing : Cement with approximately 180 sx. Class "G" cement + additives, circulated to surface with 100% excess.

Production Casing: Lead with approximately 400 sx. Hi-fill cement with 1#/sx. capseal; tail with 600 sx. 50-50 POZ w/10% salt, 2% gel, .6% Halad 24, 1/4#/sx. Flocele & 1#/sx. capseal. Cement will be circulated back to surface with 30% excess.

Actual cement volumes to be required will be determined from the caliper log.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Mud Program: (Visual Monitoring)

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-6600'	Aerated Water	-----	-----	-----

Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations.

6. Evaluation Program:

Logs : Dual Laterlog & Caliper : TD - Surface  
FDC-CNL : TD - Surface

DST'S : None anticipated.

Cores : None anticipated.

The proposed evaluation program may change at the discretion of the wellsite geologist, with prior approval from the Authorized Officer, Bureau of Land Management.

Stimulation : No stimulation or frac treatment has been formulated for this test at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

Whether the well is completed as a dry hole or as a producer, Well Completion and Recompletion Report and Log (Form 3160-4) will be submitted to the Diamond Mountain Resource Area Office not later than thirty (30) days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164.

Two (2) copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer, Diamond Mountain Resource Area Office, Bureau of Land Management, 170 South 500 East, Vernal, Utah 84078, Phone: (801) 789-1361.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2,627 psi (calculated at 0.465 psi/foot) and maximum anticipated surface pressure equals approximately 1,384 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates and Notification of Operations:

A. Drilling Activity

Anticipated Commencement Date : July 10, 1991  
Drilling Days : Approximately 10 days  
Completion Days : Approximately 7 days

B. Notification of Operations

The Diamond Mountain Resource Area Office, Bureau of Land Management will be notified at least twenty-four (24) hours PRIOR to the commencement of the following activities:

1. Spudding of the well. This oral report will be followed up with a Sundry Notice (Form 3160-5).
2. Initiating pressure tests of the blow-out preventer and related equipment.
3. Running casing and cementing of ALL casing strings.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval of the Authorized Officer. If operations are to be suspended, prior approval of the Authorized Officer will be obtained and notification given before resumption of operations.

In accordance with Onshore Operating Order #1, this well will be reported on MMS Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with the Royalty Management Program, Minerals Management Service, P. O. Box 17110, Denver, Colorado 80217.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the provisions of NTL-3A or its current revision.

8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations - Continued

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the Authorized Officer, and all conditions of this approved plan will be applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the Authorized Officer will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication no later than five (5) business days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the Authorized Officer, produced water may be temporarily disposed of into the reserve pit for a period of up to ninety (90) days. During this period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the Authorized Officer.

Pursuant to NTL-4A, lessees and operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of thirty (30) days or the production of fifty (50) MMCF of gas, whichever occurs first. An application must be filed with the Authorized Officer, and approval received, for any venting/flaring of gas beyond the initial thirty (30) day or otherwise authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the Vernal District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production notice.



8. Anticipated Starting Dates and Notification of Operations:

B. Notification of Operations - Continued

No well abandonment operations will be commenced without the prior approval of the Authorized Officer. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the Authorized Officer.

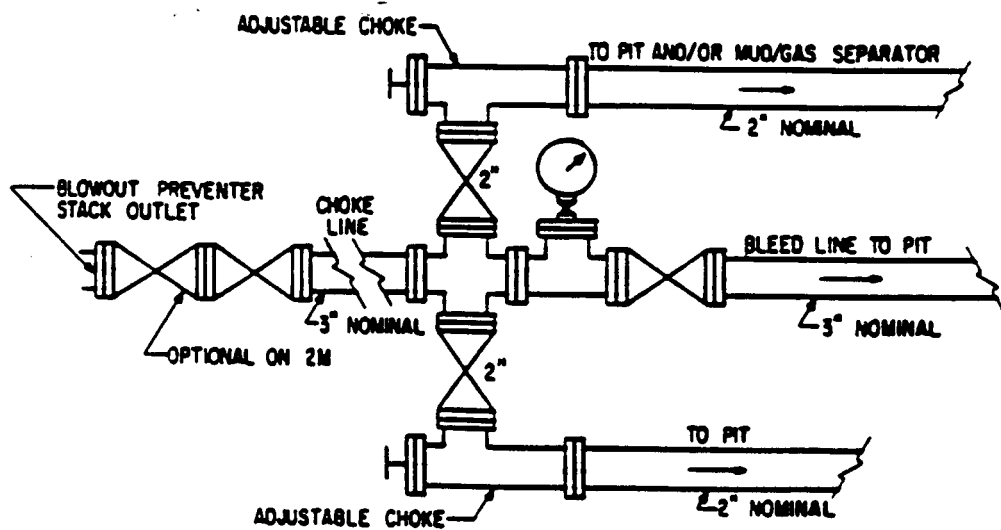
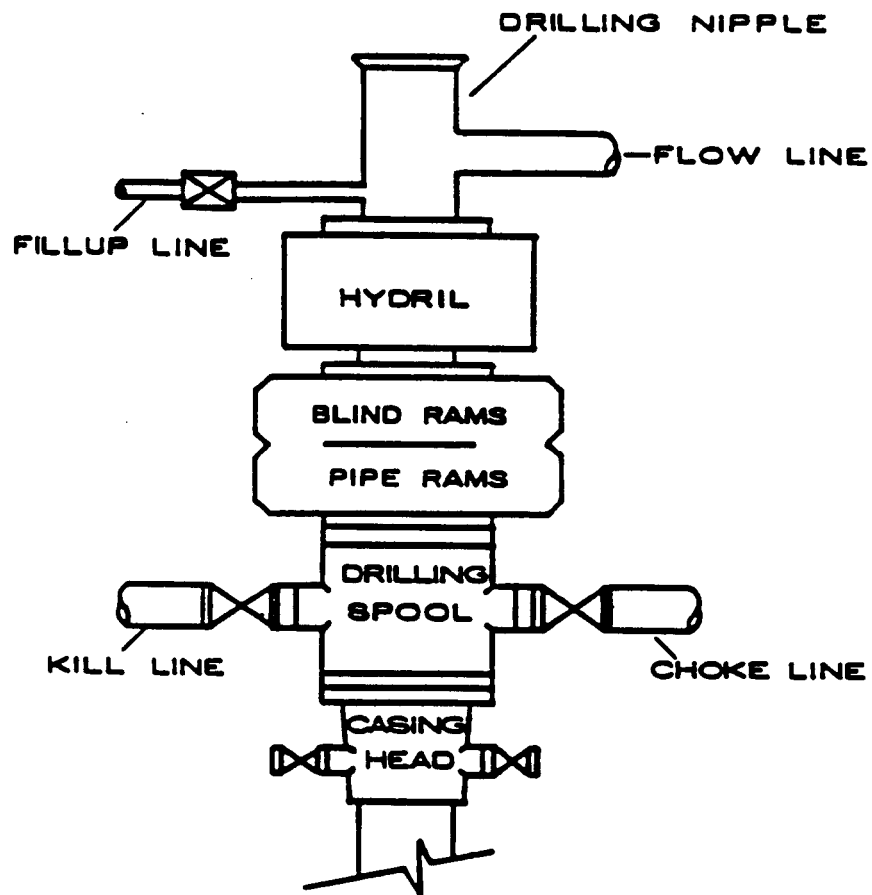
A "Notice of Intention to Abandon" (Form 3160.5) will be filed with the Authorized Officer within fifteen (15) days following the granting of oral approval to plug and abandon.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch: "Fed" or "Ind", as applicable; Company Name, Well Name and Number, Location by Quarter/Quarter, Section, Township, Range, and Federal or Indian Lease Number.

A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the wellbore. This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection. Final abandonment will not be approved until the surface reclamation work required by the approved Application for Permit to Drill has been completed to the satisfaction of the Authorized Officer or his representative, or the appropriate Surface Management Agency.

Pursuant to Onshore Operating Order #1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in such a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal and Indian lands.

BOP STACK



COASTAL OIL & GAS CORPORATION  
Lease #U-64420, Desert Spring Federal #20-1  
NE/SW, Section 20, T10S, R18E  
Uintah County, Utah

Multi-Point Surface Use and Operations Plan

1. Existing Roads: Refer to Maps "A" & "B" (shown in ORANGE)
  - A. The proposed wellsite is staked and four 200-foot reference stakes are present.
  - B. To reach the location from the town of Myton, Utah (located approximately 38 miles west of Vernal, Utah) proceed westerly 1.5 miles on U. S. Highway 40, turn left on U. S. Highway 191, south & west 1.4 miles to a paved county road marked with a sign indicating Pleasant Valley to the left, thence south 5 miles to the end of the pavement and continuing south & east along the graveled and graded county road an additional 6.3 miles to a BLM sign indicating Green River via Sand Wash to the right, thence southerly 6.6 miles on Sand Wash Road to Mountain Fuel Pipeline crossing, thence easterly 3.0 miles, then right (southerly) proceed 1.5 miles to location flag showing turn off for well location, thence southwesterly 1.7 miles along 2-track road; then southeasterly 0.3 miles along 2-track road and then 1.2 miles along flagged proposed access road to location.
  - C. Access roads - refer to Maps "A" and "B".
  - D. Access roads within a one-mile radius - refer to Map "B".
  - E. The existing gravel roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the Desert Spring Federal #20-1.
2. Planned Access Roads: Refer to Map "B" (Shown in GREEN)

Approximately 1.2 miles of new road construction will be required for access to the proposed Desert Spring Federal #20-1 well location. In addition, approximately 2.0 miles of existing 2-track road will require upgrading.

  - A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned and ditched.

2. Planned Access Roads: Continued

- B. Construction standard - the access road will be constructed in accordance with Bureau of Land Management Rooding Guidelines established for oil and gas exploration and development activities as referenced in the BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development (1989).

The access road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction/upgrading will include ditching, draining, gravelling, crowning, and capping the roadbed as necessary to provide a well constructed and safe road.

Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely.

Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at a frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - 6%
- D. Turnouts - turnouts will be constructed along the access route as necessary or required to allow for the safe passage of traffic. None anticipated at this time.
- E. Drainage design - the access road will be crowned, ditched, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.

2. Planned Access Roads: Continued

G. Surface materials (source) - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time. Native material from access location and access road will be used.

H. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards.

The access road right-of-way will be kept free of trash during operations.

I. The proposed access route has been centerline flagged.

3. Location of Existing Wells Within a One-Mile Radius:

Please refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - none known.
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - none known.
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities:

A. If well is productive the following guidelines will be followed:

- 1. A diagram showing the proposed production facilities layout will be submitted via Sundry Notice Form 3160-5 prior to facilities installation.

Location of Existing and/or Proposed Facilities Owned by Coastal Oil & Gas Corporation Within a One-Mile Radius:

- A. If well is productive the following guidelines will be followed: Continued
2. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or top of the fill slope.
  3. The production facilities (consisting primarily of a christmas tree at the wellhead, dehydration unit, and emergency pit) will require an area approximately 300' x 135'.
  4. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials with the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

5. All permanent (on-site for six months or longer) above-the-ground structures constructed or installed including pumping units will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Five (5) State Rocky Mountain Interagency Committee. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

The required paint color is Desert Brown.

Location of Existing and/or Proposed Facilities Owned by Coastal Oil & Gas Corporation Within a One-Mile Radius:

- A. If well is productive the following guidelines will be followed: Continued
    - 6. If at any time the facilities located on public lands and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), the Bureau of Land Management will process a change in authorization to the appropriate statute. The authorization will be subject to the appropriate rental or other financial obligation as determined by the Authorized Officer.
  - B. The production (emergency) pit will be fenced with woven wire mesh topped with one (1) strand of barbed wire held in place with metal side posts and wooden corner "H" braces in order to protect livestock and wildlife. Please refer to Item #9E (page #'s 8 & 9) for additional information on the fencing specifications.
  - C. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
  - D. Reclamation of disturbed areas no longer needed for operations will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer, Bureau of Land Management.
5. Location and Type of Water Supply:
- A. Fresh water for drilling will be obtained and hauled in by a permitted source.
  - B. Water will be transported over existing roads via tank truck from the point of diversion to the proposed Desert Spring Federal #20-1 well location. No new construction will be required on/along the proposed water haul route. No off-lease/unit federal lands will be crossed on/along the proposed water haul route.
  - C. No water well will be drilled on this location.

6. Source of Construction Materials:

- A. Construction materials needed for surfacing of the well pad will be native from location and/or access road.
- B. No construction materials will be taken from Federal and/or Indian lands without prior approval from the appropriate Surface Management Agency.
- C. If production is established, any additional construction materials needed for surfacing the access road and installation of production facilities will be purchased from a local supplier having a permitted (private) source of materials in the area.
- D. No new access roads for construction materials will be required.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve/blooiie pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve/blooiie pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities. In the event adverse weather conditions event removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Coastal Oil & Gas Corporation. The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined if deemed necessary by BLM on post construction inspection. If a plastic nylon reinforced liner is used, it will be a minimum of 12 MIL thickness w/sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the Authorized Officer.



7. Methods of Handling Waste Materials: Continued

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval.

Produced fluids - failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided by Rocket Sanitation for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage (trash) and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location upon the termination of drilling and completion operations. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Figure #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. A minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the wellsite. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. (Stockpiled topsoil will be located on the northeast side of the location.) The reserve pit will be located on the south side of the location. The flare pit will be located downwind of the prevailing wind direction on the southwest side of location and will be a minimum of 100 feet from the wellhead and 30' from the reserve pit fence. Access to the location will be from the west. The drainage(s) from location shall be diverted from location and go toward the silt dam (see page 10).
- B. Figure #1 is a diagram showing the rig layout. No permanent living facilities are planned. There will be one (1) trailer on location during drilling operations for the toolpusher.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations. Please refer to Item #4B2 (page #4) for additional information in this regard.
- D. If porous subsoil materials (gravel, scoria, sand, faulted rock structures, etc.) are encountered during reserve pit construction, an impervious liner will be installed in order to prevent drilling water loss through seepage.
- E. Prior to the commencement of drilling operations, the reserve pit will be fenced "sheep tight" on three (3) sides according to the following minimum standards:
  1. 39-inch net wire shall be used with at least one (1) strand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
  2. The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least 42 inches.

9. Wellsite Layout: Continued

E. Prior to the commencement of drilling operations, the reserve pit will be fenced "sheep tight" on three (3) sides according to the following minimum standards:

3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed. Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

10. Plans for Reclamation of the Surface:

A. Production - Continued

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within ninety (90) days from the date of well completion, weather permitting.
6. For production, the fill slopes will be reduced from a 1.5:1 slope to a 3:1 slope and the cut slopes will be reduced from a 1.5:1 slope to a 3:1 slope by pushing the fill material back up into the cut.
7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces (including the access road and location) will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces (including the access road and well pad areas) will be reseeded with a seed mixture to be recommended by the Authorized Officer, Bureau of Land Management.

Seed will be drilled on the contour to an approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 and prior to ground frost.

B. Dry Hole/Abandoned Location

1. At such time as the well is physically plugged and abandoned, Coastal Oil & Gas Corporation will submit a "Subsequent Report of Abandonment" to the Authorized Officer for approval. At that time, the Bureau of Land Management will formulate and appropriate surface rehabilitation requirements and attach them as the conditions of approval for final abandonment.

11. Surface Ownership:

The wellsite and proposed access road are situated on surface estate which is owned by the United States of America.

11. Surface Ownership: Continued

This surface estate is administered by:

Area Manager  
Diamond Mountain Resource Area Office  
Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Phone: (801) 789-1362

12. Other Information:

- A. Coastal Oil & Gas Corporation will be responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts.

If historic or archaeological materials are uncovered, Coastal Oil & Gas Corporation will suspend all operations that might further disturb such materials and immediately contact the Authorized Officer.

Within five (5) working days the Authorized Officer will inform Coastal Oil & Gas Corporation as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If Coastal Oil & Gas Corporation wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume

12. Other Information: Continued

- A. responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, Coastal Oil & Gas Corporation will be responsible for mitigation costs.

The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that the required mitigation has been completed, Coastal Oil & Gas Corporation will then be allowed to resume construction.

- B. Coastal Oil & Gas Corporation will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the Bureau of Land Management, or the Uintah County Extension Office. On lands administered by the Bureau of Land Management, it is required that a "Pesticide Use Proposal" shall be submitted, and approval obtained, prior to the application of herbicides or other pesticides or possible hazardous chemicals for the control of noxious weeds.
- C. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on federal lands after conclusion of drilling operations or at any other time without the proper authorization from the Bureau of Land Management. However, if BLM authorization is obtained, it is only a temporary measure to allow Coastal Oil & Gas Corporation the time to make arrangements for permanent storage at a commercial facility.

13. Additional Surface Stipulations:

- A. A silt catchment dam and basin will be constructed according to BLM specifications, approximately  $\pm$  200' northeast of the location where flagged.
- B. A second silt dam will be built to mitigate silt from access road construction at  $\pm$  1/4 mile northwest of the location, near the access road.

13. Additional Surface Stipulations: Continued

- C. Coastal Oil & Gas Corporation shall contact the Bureau of Land Management between 24 and 48 hours prior to commencement of construction activities on the access road and/or well location: (801) 789-1362
- D. The Bureau of Land Management shall be notified upon site completion and prior to moving drilling tools onto the location.

14. Lessee's or Operator's Representative and Certification:

Representative

Coastal Oil & Gas Corporation  
Randy L. Bartley, Operations Manager  
P. O. Box 749  
Denver, Colorado 80201-0749  
Phone: (303) 572-1121

Eileen Dey, Regulatory Analyst\*  
P. O. Box 749  
Denver, Colorado 80201-0749  
Phone: (303) 573-4476

- \* Contact for any additional information which may be required for approval of this Application for Permit to Drill.

Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Coastal Oil & Gas Corporation will be fully responsible for the actions of their subcontractors. A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

14. Lessee's or Operator's Representative and Certification:

Certification: Continued

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Coastal Oil & Gas Corporation, its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

6/20/91  
Date

Eileen Danni Dey  
Eileen Danni Dey - Regulatory Analyst



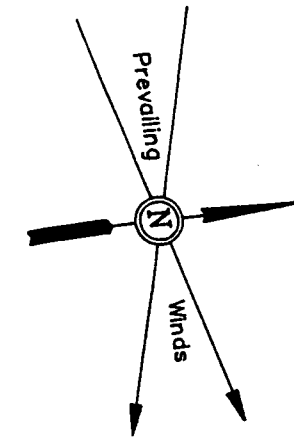
**RECEIVED**

COASTAL OIL & GAS CORP.

JUN 21 1991

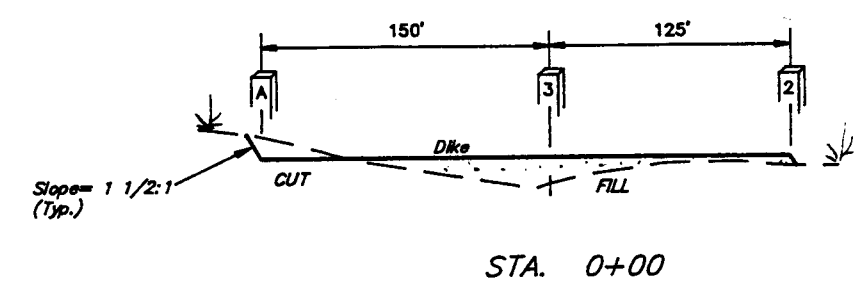
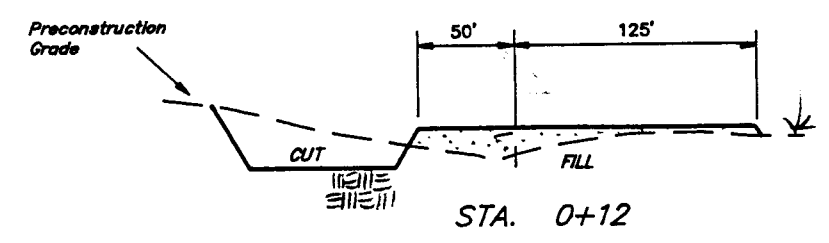
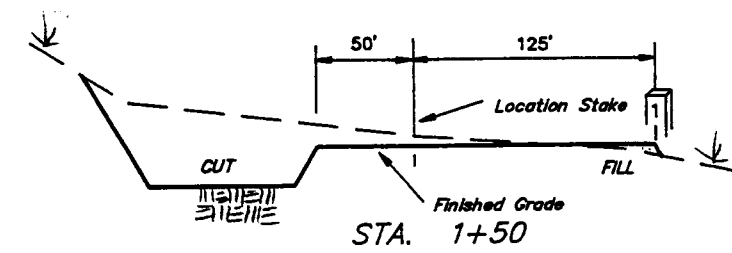
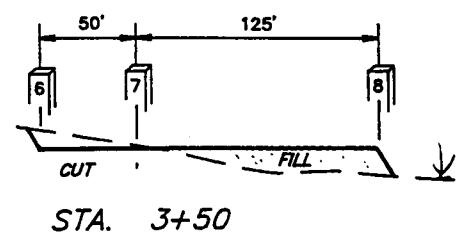
LOCATION LAYOUT FOR  
DESERT SPRING FED. #20-1  
SECTION 20, T10S, R18E, S.L.B.&M.

DIVISION OF  
OIL GAS & MINING



SCALE: 1" = 50'  
DATE: 12-27-90  
Drawn By: T.D.H.  
Revised 2-26-91 R.E.H.  
REVISED: 6-19-91 R.E.H.

1" = 40'  
X-Section  
Scale  
1" = 100'



TYP. LOCATION LAYOUT  
TYP. CROSS SECTIONS

**APPROXIMATE YARDAGES**

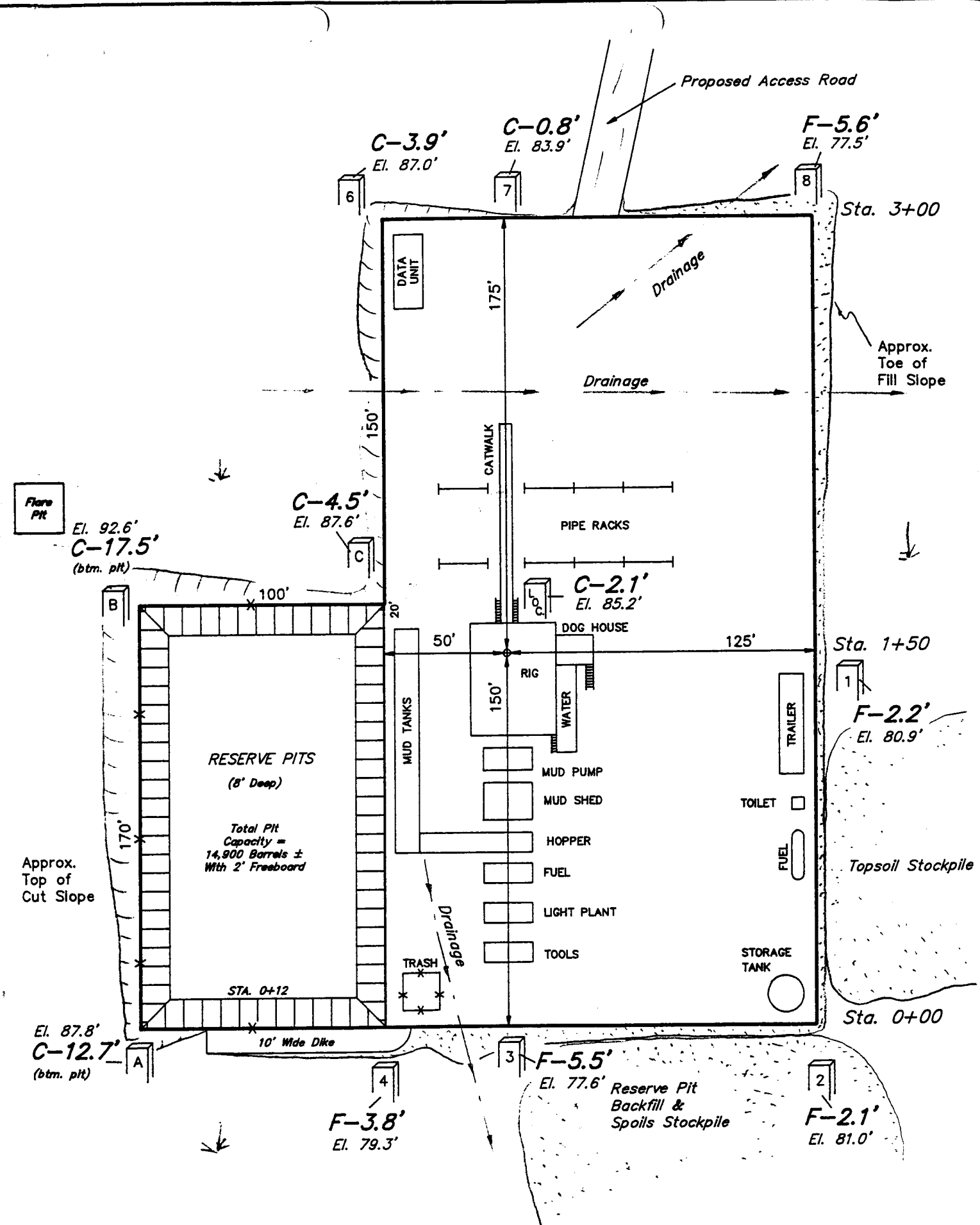
CUT	
(6") Topsoil Stripping	= 1,370 Cu. Yds.
Remaining Location	= 7,900 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,270 CU.YDS.</b>
<b>FILL</b>	<b>= 5,520 CU.YDS.</b>

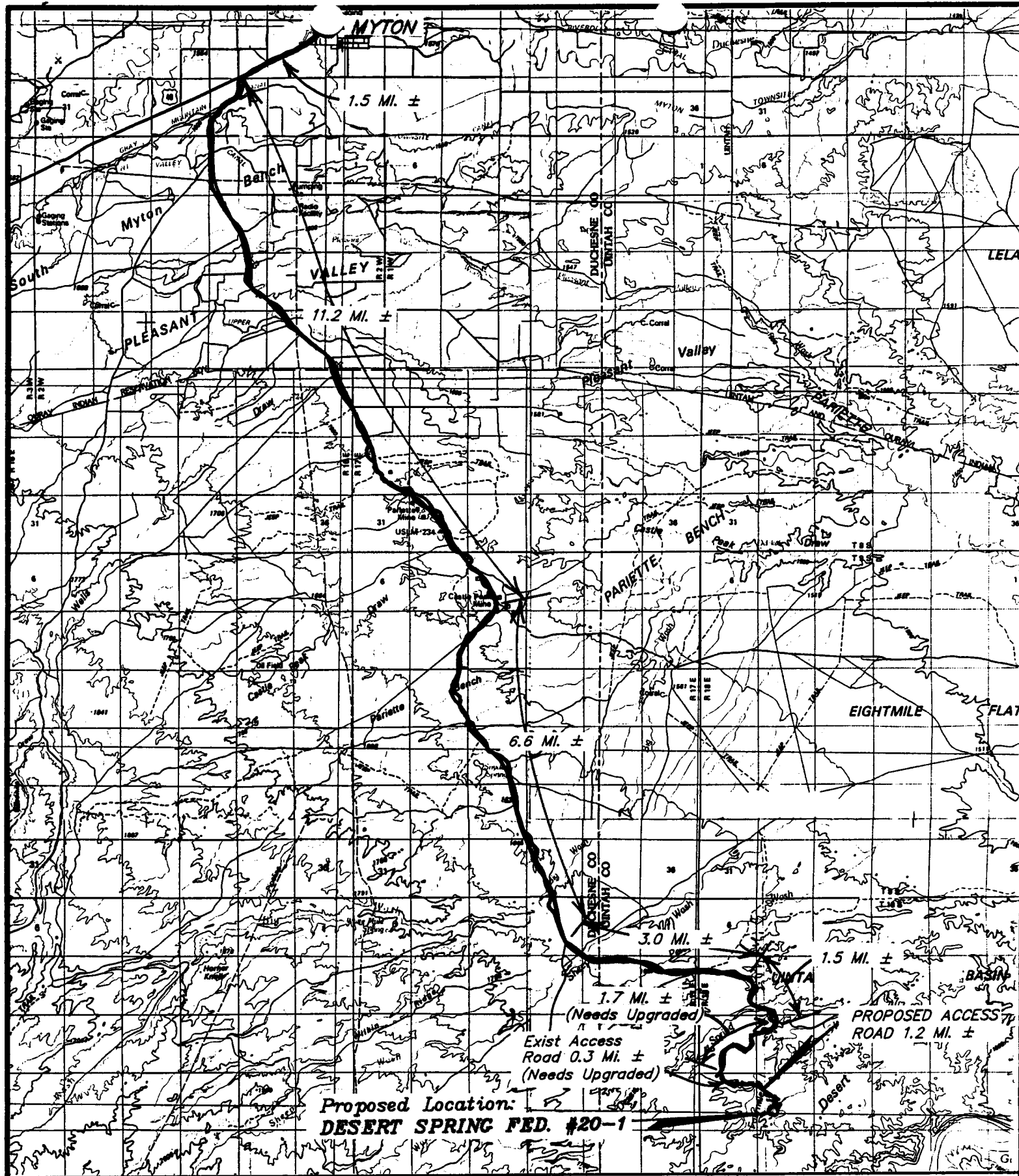
<b>EXCESS MATERIAL AFTER 5% COMPACTION</b>	<b>= 3,460 Cu. Yds.</b>
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,440 Cu. Yds.
<b>EXCESS UNBALANCE (After Rehabilitation)</b>	<b>= 20 Cu. Yds.</b>

**NOTES:**

Elev. Ungraded Ground At Loc. Stake = **5385.2'**  
FINISHED GRADE ELEV. AT LOC. STAKE = **5383.1'**

UINTAH ENGINEERING & LAND SURVEYING  
85 South 200 East Vernal, Utah





TOPOGRAPHIC  
MAP "A"

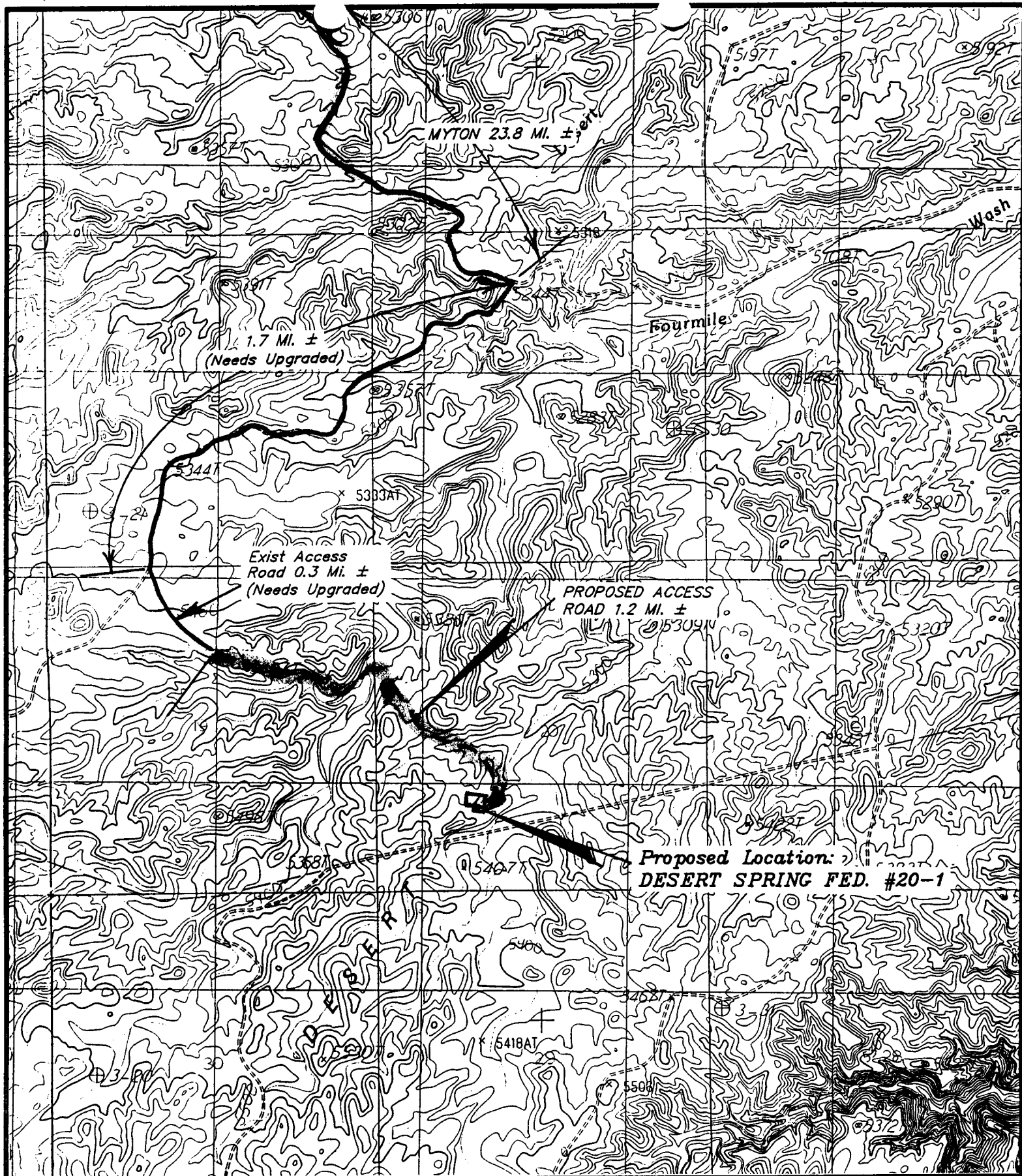
DATE 12-28-90 R.E.H.



**COASTAL OIL & GAS CORP.**

DESERT SPRING FED. #20-1  
SECTION 20, T10S, R18E, S.L.B.&M.

REVISED: 6-17-91 R.E.H.



TOPOGRAPHIC

MAP "B"

SCALE: 1" = 2000'

DATE 12-28-90 R.E.H.

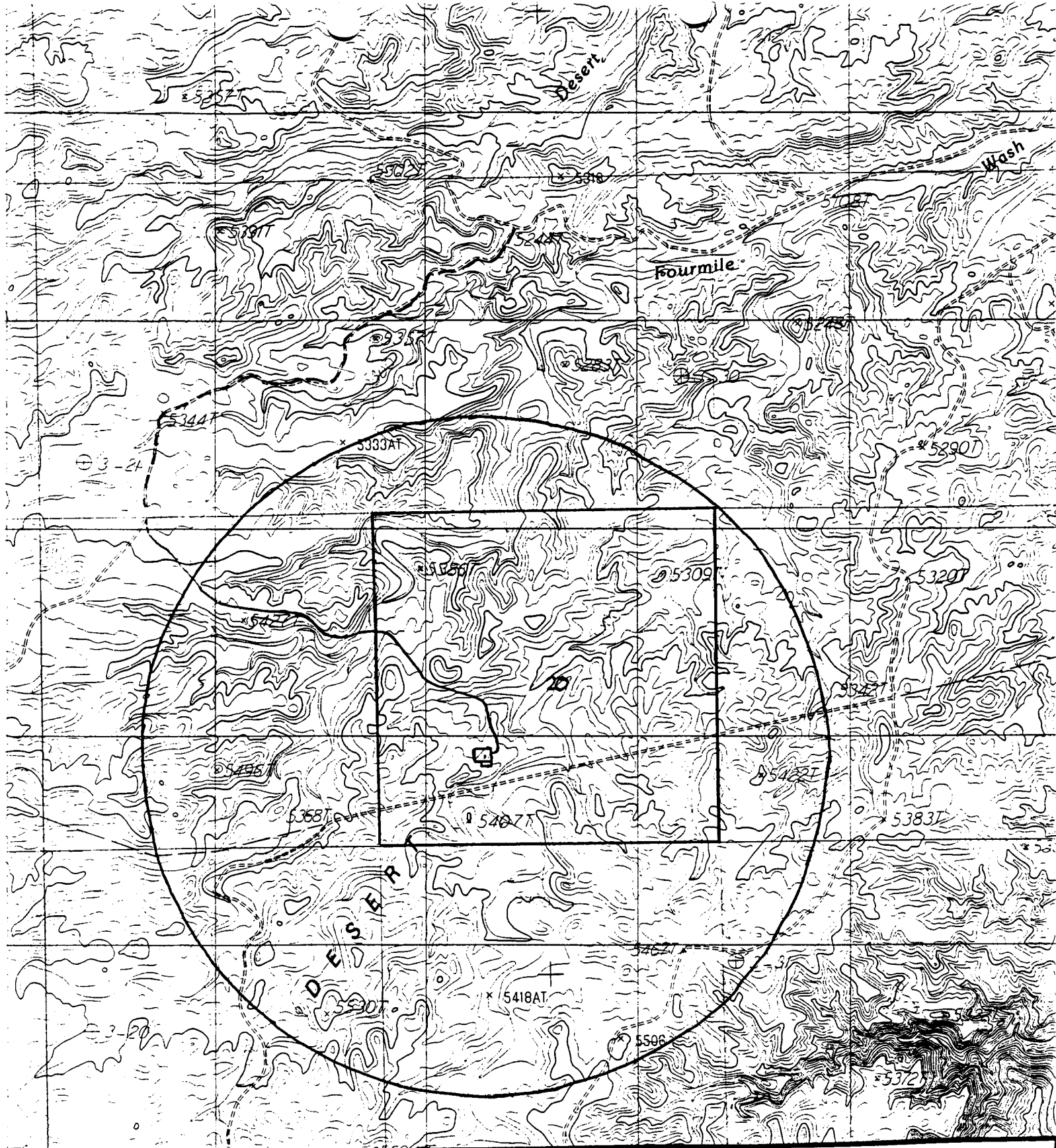


**COASTAL OIL & GAS CORP.**

DESERT SPRING FED. #20-1

SECTION 20, T10S, R18E, S.L.B.&M.

REVISED: 6-17-91 R.E.H.



**LEGEND:**

- ⊗ = Water Wells
- ◆ = Abandoned Wells
- ⊖ = Temporarily Abandoned Wells
- ⊙ = Disposal Wells
- = Drilling Wells
- = Producing Wells
- ⦿ = Shut-in Wells



*TOPO MAP "C"*

**COASTAL OIL & GAS CORP.**

Desert Spring Federal #20 1  
 NESW, Section 20, T10S R18E, S.L.B.&M.

CULTURAL RESOURCE INVENTORY OF DESERET SPRING FEDERAL #20-1  
AND #29-1 WELL PADS IN UTAH COUNTY, UTAH

Cultural Resources Report 461-01-9104

by

Gary M. Popek

Submitted to

Utah Division of State History  
Antiquities Section  
300 Rio Grande  
Salt Lake City, Utah 84101

and

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

Submitted by

P-III Associates, Inc.  
2212 South West Temple, #21  
Salt Lake City, Utah 84115-2645  
(801) 467-5446

March 14, 1991

***P-III ASSOCIATES, INC.***



CULTURAL RESOURCE INVENTORY OF DESERET SPRING FEDERAL #20-1  
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P-III Associates, Inc.  
2212 South West Temple, #21  
Salt Lake City, Utah 84115-2645  
(801) 467-5446

March 14, 1991

Antiquities Permit U-90-PD, Survey Permit U-91-PD-063b  
Bureau of Land Management Cultural Resource Use Permit 89UT54616

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## INTRODUCTION

On March 10, 1991, P-III Associates, Inc., conducted a cultural resource inventory of two well pads and associated access roads in eastern Utah, for Columbia Gas Development in Uintah County, Utah. The survey was conducted to identify cultural resources which may be disturbed by the installation of a well and to fulfill legal obligations concerning cultural resources as set forth in the National Historic Preservation Act of 1966, the National Environmental Policy Act of 1969, the Federal Land Policy Management Act of 1976, Executive Order 11593, and the Archeological Resource Protection Act of 1974.

Both well pads are located on public land administered by the Bureau of Land Management (BLM) southwest of Ouray, Utah. Deseret Spring Federal #20-1 is located above and east of the Green River on Wild Horse Bench. The second, Federal #29-1, is located west of the Green River in the Little Desert (Figures 1 and 2). Table 1 provides an administrative summary of this project, including the legal location, area surveyed, and results.

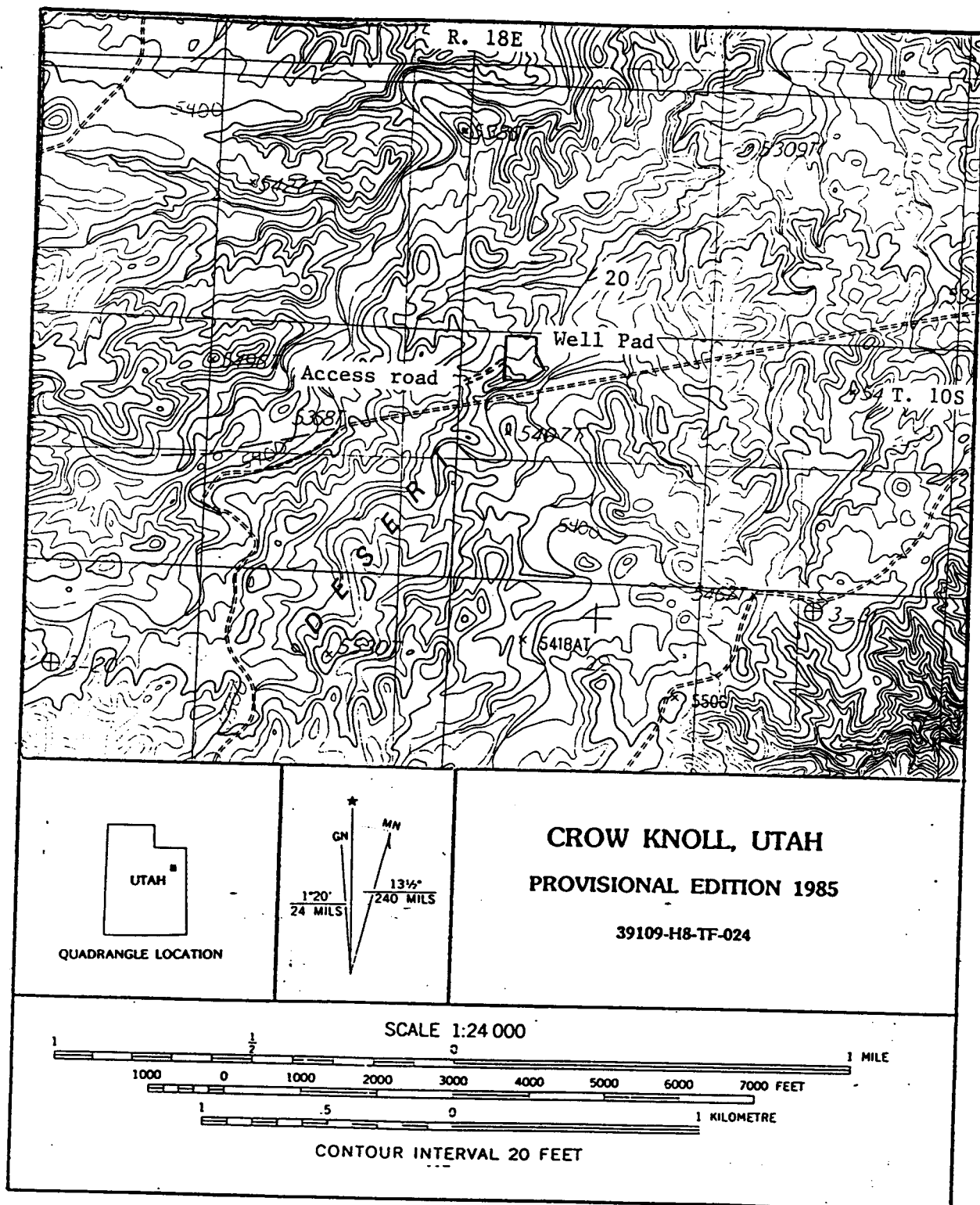


Figure 1. Topographic map showing the location of Deseret Spring Federal #20-1 well pad and associated access road.



Table 1. Project summary.

---

PROJECT NAME: Deseret Spring Federal Well Pad Survey  
LAND OWNERSHIP: Bureau of Land Management  
PROJECT SUPERVISOR: Gary M. Popek  
DATES OF FIELDWORK: March 10, 1991  
COUNTY: Uintah

LEGAL LOCATIONS AND MAP REFERENCES:

Deseret Spring Federal #20-1  
U.S.G.S. 7.5' Series, Crow Knoll, Utah, Quadrangle, 1985  
  
SE1/4 of the NE/14 of the SW1/4, Section 20, T. 10S, R. 18E  
NW1/4 of the SE/14 of the SW1/4, Section 20, T. 10S, R. 18E

Deseret Spring Federal #29-1  
U.S.G.S. 7.5' Series, Moon Bottom, Utah, Quadrangle, 1985  
  
NW1/4 of the SW/14 of the SE1/4, Section 29, T. 10S, R. 19E

AREA INVENTORIED: 12 acres  
SITES RECORDED: 0  
ISOLATED FINDS: 0

---

ENVIRONMENTAL SETTING

The project area is located in the Colorado Plateau physiographic province which is characterized by exposed strata which are sedimentary in origin and nearly horizontal. The elevation of the province ranges between 5,000 and 11,000 ft above sea level, and its hundreds of deeply incised canyons are due to a combination of environmental factors (Fenneman 1931; Hunt 1967). This province is divided into six sections: Grand Canyon, Datil, Navajo, Canyon Lands, High Plateau, and the Uinta Basin. The project area is located within the latter.

The Uintah Basin is located in northeastern Utah, extending in an arc into a small portion of northwestern Colorado. It is bound on the north by the foothills of the Uintah Mountains, on the west by the Wasatch Mountains, and on the south by the rim of the Tavaputs Plateau. The Uintah Basin is drained by the Green River and its numerous tributaries. The western portion of the Basin is drained by the Duchesne River which flows east, then southeast, entering the Green near the town of Ouray. The eastern portion of the basin is drained by the White River which also enters the Green south of Ouray.

## Vegetation and Climate

Vegetation of the project areas is characteristic of the Upper Sonoran Life Zone. Identified taxa is comprised of tall sagebrush (*Artemisia tridentata*), snakeweed (*Gutierrezia* spp.), prickly pear cacti (*Opuntia* spp.), shadscale (*Atriplex confertifolia*), and indeterminate bunch grasses.

The climate of the project area may be characterized as semiarid with between 8 and 9 inches (20-22 cm) of annual precipitation recorded for the Vernal area located to the northeast (Jones and MacKay 1980). Much of the precipitation arrives during the months of August and September in the form of afternoon thundershowers. Other portions of the Uintah Basin receive more or less precipitation depending on elevation. An average of 100-120 frost free days has been recorded for the area with mean annual temperatures of 44°-45° F (Nickens 1980). Overall, the area may be characterized as having hot, dry summers with cold winter temperatures.

## CULTURE HISTORY

The human occupation of northeastern Utah extends back roughly 12,000 years from the present. This long time span has been divided into five main stages or periods: Paleoindian, Archaic, Formative, Post Formative, and Historic. The earliest stage, Paleoindian, is poorly understood in this area and occurs primarily as surface finds that are dated on a typological basis. Deluge Shelter, located nearby, has yielded materials dating to the Archaic period (Leach 1970). The Formative stage in the area is represented by the Fremont who are believed to have inhabited the area between A.D. 600 and 950 (Sisson 1978) and probably much later into the 1300s. The Post Formative is evidenced by the protohistoric Numic speaking Ute.

## FILE SEARCH

A file search of existing cultural resource records was performed by Gary M. Popek at the Antiquities Section, Utah State Historical Society, on March 12, 1991. Also, Blaine Phillips was contacted at the Bureau of Land Management, Vernal District Office. The file search was conducted in order to determine if any portion of the project area had been previously surveyed and whether or not any recorded cultural resources exist within the project area.

The file search conducted at the Utah State Historical Society revealed that no cultural resource surveys had been conducted in close proximity to the project area. Blaine Phillips (personal communication 1991) stated that his records also showed no recorded projects in the immediate vicinity of the two well pads and that a file search at the Bureau of Land Management District Office was not necessary.

## METHODS

The project consisted of two well pad locations and associated access roads. The area surveyed for Federal #20-1 well pad was roughly rectangular in plan and measures 200 m north-south by 125 m east-west. The staked access road to this pad was approximately 175 m in length. In sum, roughly 7 acres of land were surveyed. The area that was surveyed for the Federal #29-1 well pad measured 125 m north-south by 150 m east-west. This area is somewhat stair stepped in plan. Also, two small segments of the access road, where it appeared to deviate from the existing road, were also surveyed. These segments together measured roughly 300 m in length. Roughly 5 acres of land was covered in this area.

The centerline of the access roads were marked with wooden lathe and surveyors tape which were spaced approximately 40 m apart. The corners of each well pad were marked by wooden lathe and flagging. The survey of each well pad was conducted on foot in parallel sweeps spaced 15 m apart. A 30-m-wide corridor for the access roads was surveyed by walking on either side of the centerline in a zig-zag fashion.

## RESULTS

The cultural resource survey conducted by P-III Associates did not locate any evidence of prehistoric or historic cultural resources in the proposed well pad locations or along the access road corridors. Noted in the northeast portion of Deseret Spring Federal #29-1 is a small scatter of modern trash consisting of a few condensed/evaporated milk and sanitary cans, the broken remains of one clear and one green glass container, a possible ketchup bottle, a few pieces of milled lumber and rusted wire. Using Don Simonis can chronology for dating condensed milk cans, it was determined that the trash scatter was deposited sometime after 1950.

## RECOMMENDATIONS

No cultural resources were located during the investigations conducted at the Deseret Spring Federal #20-1 and #29-1 well pads in Uintah County, Utah. Therefore, it is recommended that cultural resource clearance be granted to Columbia Gas Development Corporation for this project.

#### REFERENCES CITED

Fenneman, Nevin M.

- 1931 *Physiography of Western United States*. McGraw-Hill Book Company, Inc., New York.

Hunt, Charles B.

- 1967 *Natural Regions of the United States and Canada*. W. H. Freeman and Company, San Francisco.

Jones, Kevin T. and Kathryn L. MacKay

- 1980 *Cultural Resources Existing Data Inventory, Vernal District, Utah*. Reports of Investigations 80-18. Archeological Center, University of Utah, Salt Lake City.

Leach, L. L.

- 1970 *Archeological Investigations at Deluge Shelter (42Un1)*. Unpublished Ph.D. dissertation, Department of Anthropology, University of Colorado, Boulder.

Nickens, Paul R. (assembler)

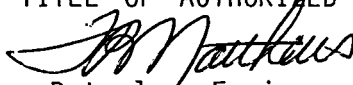
- 1980 *Sample Inventories of Oil & Gas Field in Eastern Utah, 1978-1979*. Cultural Resource Series 5. Bureau of Land Management, Utah State Office, Salt Lake City.

Sisson, Edward B.

- 1978 *Survey and Evaluation of Archeological and Historical Resources, Central Utah Project, 1977*. National Park Service and University of Utah, Salt Lake City.

STATE ACTIONS

Mail to:  
RDCC Coordinator  
116 State Capitol  
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY  
OIL, GAS AND MINING  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:  
(assigned by State Clearinghouse)
3. APPROXIMATE DATE PROJECT WILL START:  
July 10, 1991
4. AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS:  
(to be sent out by agency in block 1)  
Uintah Basin Association of Governments
5. TYPE OF ACTION: ☐ Lease ☒ Permit ☐ License ☐ Land Acquisition  
☐ Land Sale ☐ Land Exchange ☐ Other \_\_\_\_\_
6. TITLE OF PROPOSED ACTION:  
Application for Permit to Drill
7. DESCRIPTION:  
ANR Production Company proposes to drill the Desert Spring Federal #20-1 well (wildcat) on federal lease U-64420, Uintah County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.
8. LAND AFFECTED (site location map required) (indicate county):  
NE/4, SW/4, Section 20, Township 10 South, Range 18 East, Uintah County, Utah
9. HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:  
See Attachment
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
12. FOR FURTHER INFORMATION, CONTACT:  
Frank R. Matthews  
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL  
  
DATE: 7-10-91 Petroleum Engineer

WOI187



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

2. NAME OF OPERATOR

ANR Production Company

3. ADDRESS OF OPERATOR

P. O. Box 749, Denver, Colorado 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1596' FWL, 1405' FSL (NESW) Section 20, T10S-R18E

At proposed prod. zone

Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 27 Miles Southeast of Myton, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

1405'

16. NO. OF ACRES IN LEASE

2320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

6600' *WSTC*

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5383.1' GR

22. APPROX. DATE WORK WILL START\*

July 10, 1991

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24.0#	0-250'	180 sx Circ to surface *
7-7/8"	5-1/2" K-55	17.0#	0-6600'	1000 sx Circ. to surface*

\*Cement volumes may change due to hole size.  
Calculate from Caliper log.

EIGHT-POINT RESOURCE PROTECTION PLAN ATTACHED.

I hereby certify that ANR Production Company is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the Desert Spring Federal 20-1, Federal Lease #U-64420. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by ANR Production Company, Nationwide Oil & Gas Bond #962270, who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Eileen Danni Dey*  
Eileen Danni Dey

TITLE

Regulatory Analyst

DATE

June 20, 1991

(This space for Federal or State office use)

PERMIT NO.

43-047-30050

APPROVAL DATE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE: *7/31/91*

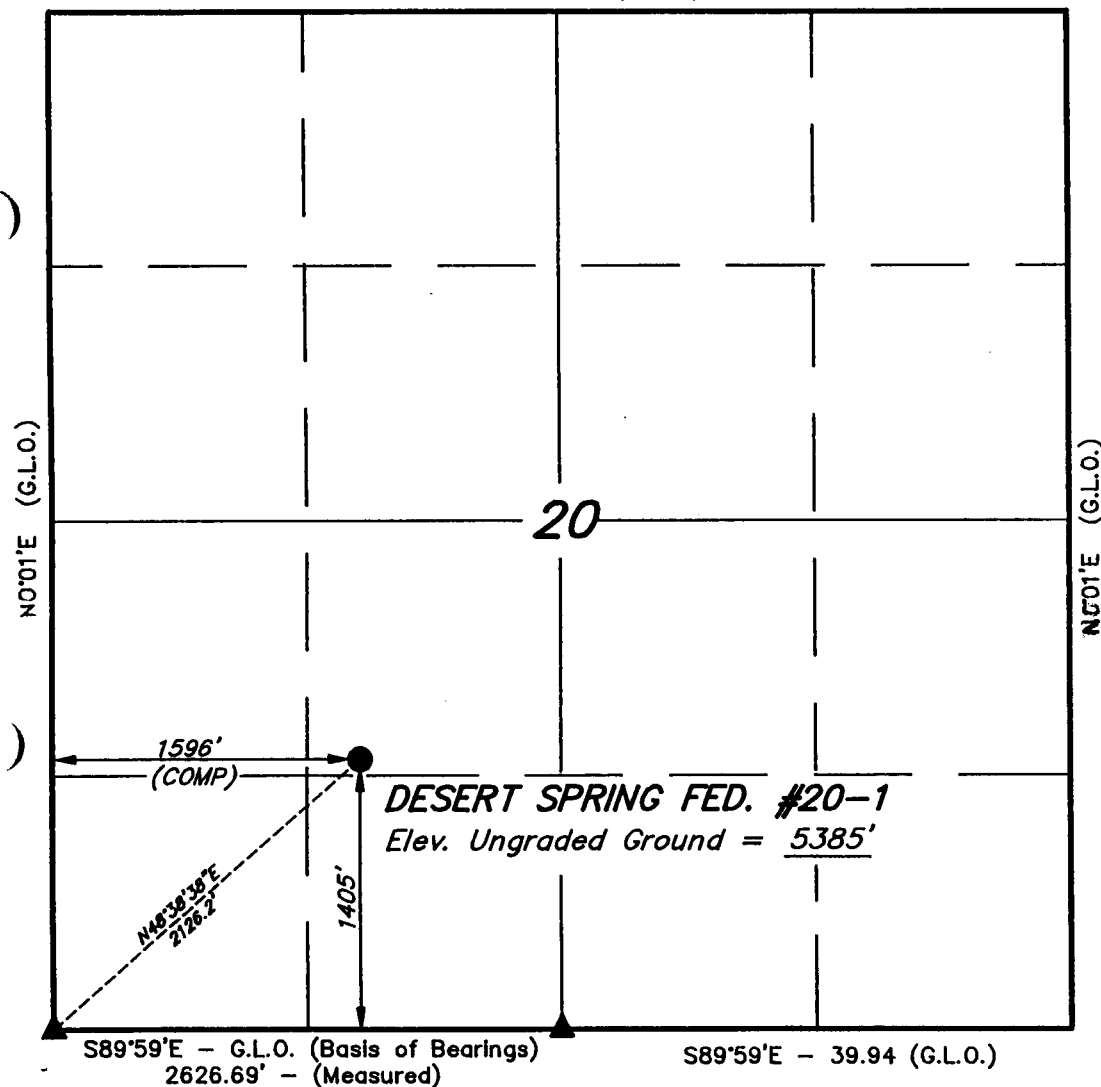
BY: *Matthew*

WELL SPACING: *665-2-3*

\*See Instructions On Reverse Side

**T10S, R18E, S.L.B.&M.**

S89°58'E 79.90 (G.L.O.)



▲ = SECTION CORNERS LOCATED. (BRASS CAPS)

## COASTAL OIL & GAS CORP.

Well location, DESERT SPRING FED. #20-1 located as shown, in the NE 1/4 SW 1/4 of Section 20, T10S, R18E, S.L.B.&M. Uintah County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION ON A RIDGE TOP IN THE SW 1/4 SECTION 20, T10S, R18E, S.L.B.&M. TAKEN FROM THE CROW KNOLL QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5407 FEET.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Reed*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH

REVISED: 6-19-91 R.E.H

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(801) 789-1017

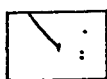
SCALE 1" = 1000'	DATE 12-28-90
PARTY L.D.T. G.T. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE COASTAL OIL & GAS CORP.

OPERATOR ADR Production Company DATE 7-10-91  
WELL NAME Desert Springs Fed #10-1  
SEC NE SW 020 T 10S R 18E COUNTY Utah

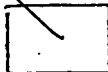
43-047-30050  
API NUMBER

Federal (1)  
TYPE OF LEASE

CHECK OFF:



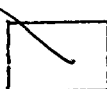
PLAT.



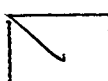
BOND



NEAREST  
WELL



LEASE



FIELD  
SLBM



POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

New unit approved 7-3-91

Water Permit

ROCC 7-10-91

APPROVAL LETTER:

SPACING:

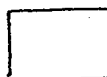


R615-2-3

Desert Springs  
UNIT



R515-3-2



N/A  
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

1- Water Permit needed

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 1-18-92

# SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

P. O. Drawer 1106 • Price, Utah 84501 • Telephone 637-5444

**WILLIAM D. HOWELL**  
Executive Director

## AREAWIDE CLEARINGHOUSE A-95 REVIEW

14 01-07

NOI \_\_\_\_\_ Preapp \_\_\_\_\_ App \_\_\_\_\_ State Plan \_\_\_\_\_ State Action X Subdivision \_\_\_\_\_ (ASP # 7-716-8)

Other (indicate) \_\_\_\_\_ SAI Number UT910711-040

### Applicant (Address, Phone Number):

Oil, Gas and Mining  
355 West North Temple  
3 Triad Center Suite 350  
Salt Lake City, UT 84180-1203

### Federal Funds:

Requested: \_\_\_\_\_

### Title:

APPLICATION FOR PERMIT TO DRILL

ANR Production Co.  
Desert Spring 20-1  
Sec 20, T10S, R.18E  
API 43-047-30050

- ☒ No comment  
☐ See comments below  
☐ No action taken because of insufficient information  
☐ Please send your formal application to us for review. Your attendance is requested ☐

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

### Comments:

RECEIVED

JUL 25 1991

DIVISION OF  
OIL GAS & MINING

7-23-91

Authorizing Official

Date

REGIONAL CLEARINGHOUSE



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

July 31, 1991

ANR Production Company  
P. O. Box 749  
Denver, Colorado 80201-0749

Gentlemen:

Re: Desert Springs Fed. #20-1 Well, 1405 feet from the South line, 1596 feet from the West line, NE SW, Section 20, Township 10 South, Range 18 East, Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq. (1953, as amended), and Utah Admin. R.615-2-3, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

In addition, the following actions are necessary to fully comply with this approval:

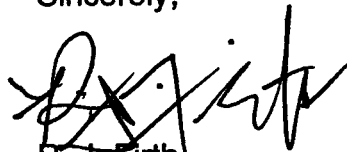
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2  
ANR Production Company  
Desert Springs Fed. #20-1  
July 31, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-32052.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
J. L. Thompson  
we14/1-36

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

ANR Production Company

3. ADDRESS OF OPERATOR

P. O. Box 749, Denver, Colorado 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1596' FWL, 1405' FSL (NESW) Section 20, T10S-R18E

At proposed prod. zone

Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 27 Miles Southeast of Myton, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

1405'

16. NO. OF ACRES IN LEASE

2320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

6600'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5383.1' GR

22. APPROX. DATE WORK WILL START\*

July 10, 1991

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24.0#	0- 250'	180 sx Circ to surface *
7-7/8"	5-1/2" K-55	17.0#	0-6600'	1000 sx Circ. to surface*

\*Cement volumes may change due to hole size.  
Calculate from Caliper log.

EIGHT-POINT RESOURCE PROTECTION PLAN ATTACHED.

I hereby certify that ANR Production Company is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the Desert Spring Federal 20-1, Federal Lease #U-64420. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by ANR Production Company, Nationwide Oil & Gas Bond #962270, who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Eileen Danni Dey

TITLE

Regulatory Analyst

DATE June 20, 1991

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

ASSISTANT DISTRICT  
MANAGER MINERALS

DATE

8/8/91

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company ANR Production Company Well No. 20-1

Location NE/SW Sec. 20 T10S R18E Lease No. U-64420

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah Form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at +1,629 ft.



4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem Tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized, and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

A sonic log shall be ran from the base of the surface casing.

6. Notifications of Operations

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

All site security regulations as specified in Onshore Oil and Gas Order No. 3 shall be adhered to.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the A0.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The A0 will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the A0. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hour approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka                      (801) 781-1190  
Petroleum Engineer

Ed Forsman                              (801) 789-7077  
Petroleum Engineer

BLM FAX Machine:                      (801) 789-3634

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous:

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids.

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste.

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation, and miscellaneous solids.

Revised November 1990

Date NOS Received 12/14/90

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator ANR Production Company  
Well Name & Number Desert Spring Federal #20-1  
Lease Number U-64420  
Location SW/4 Sec. 20 T. 10 S R. 18 E  
Surface Ownership Federal

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

B. THIRTEEN POINT SURFACE USE PROGRAM:

For Ferruginous Hawk nest protection, move access road approximately 500 feet to the southwest as decided on the 7/17/91 field inspection with Coastal-ANR, Uintah Engineering, and BLM.

After the reserve pit is constructed, the Authorized Officer and the operator will determine if a plastic liner is needed.

The silt catchment dams will be constructed according to the attached "Minimum Standards for Dams Impounding Under 10 acre feet.

Do not allow surface disturbing activities within 1/2 mile of Ferruginous Hawk nests from March 1 to July 15, annually.

**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

**I. Site Location and Design**

- A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
- B. Dam layout and location shall be with surveying instruments by qualified personnel.

**II. Borrow Areas**

- A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
- B. Vegetation, debris, and topsoil shall be removed to a depth of 12" below natural ground line and deposited as directed.
- C. Vegetation, debris, and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line as directed.
- D. Vegetation, debris and topsoil moved below the dam shall be contoured, smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
- E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.

**III. Core Trench and Dam Foundation**

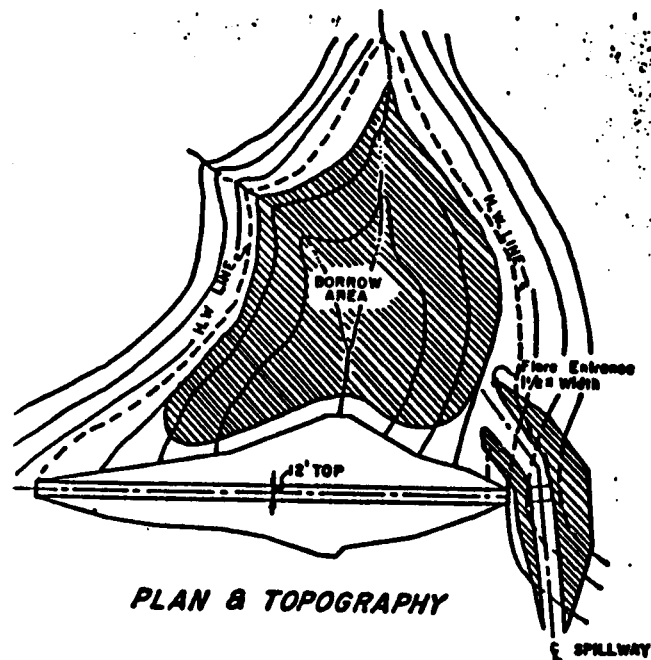
- A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
- B. Sides of the core trench shall not be steeper than 1:1 slopes.
- C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.

**IV. Dam and Core Fill**

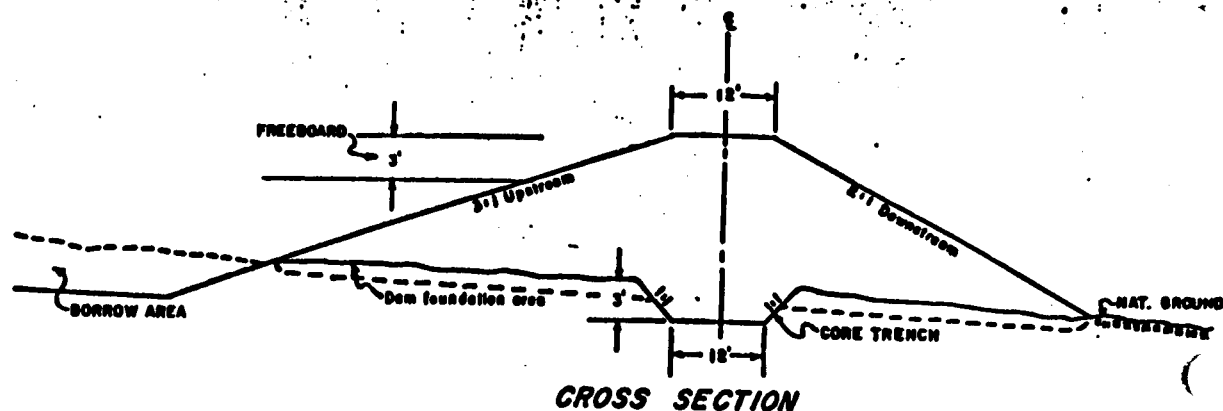
- A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
- B. Lifts of fill shall not exceed 6" when compacted.
- C. Fill shall be built up at a consistent rate the full length of the dam.
- D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
- E. Fill shall be smoothed, maintaining specified slopes.

**V. Spillway**

- A. Spillway shall be constructed through natural material.
- B. Spillway shall be constructed to divert overflow away from fill areas or natural material that is an integral part of the dam.
- C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.



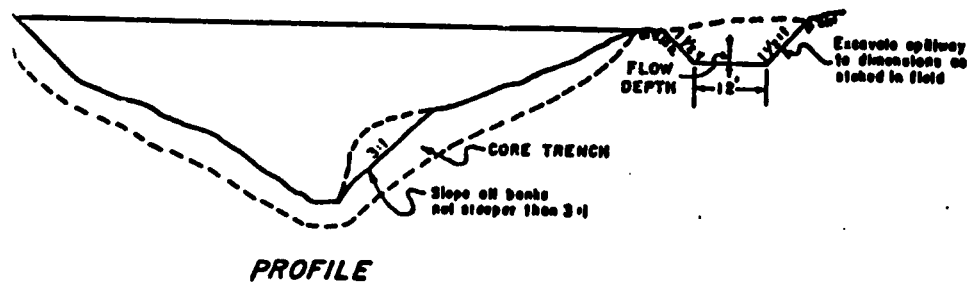
PLAN & TOPOGRAPHY



CROSS SECTION

**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

1. DAM PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX. WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILLWAY MUST BE THROUGH NATURAL MATERIAL.
6. A CORE TRENCH WILL BE CONSTRUCTED 3' DEEP OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.



PROFILE

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RETENTION DAM  
TYPICAL PLAN & SECTION**

DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

**ALWAYS THINK SAFETY** 8750 500-100



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-64420

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or C.A. Agreement Designation

Desert Spring Unit

8. Well Name and No.

Desert Spring 20-1

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476

4. Location of well (Footage, Sec., T., R., M., or Survey Description)

1596' FWL & 1405' FSL (NESW)  
Section 20, T10S-R18E

**CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- ☐ Abandonment  
☐ Recommission  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Change of plans  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report returns of measurements on well completion or recommission report and log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measures and true vertical depths for all markers and zones pertinent to this work.)

ANR Production Company hereby requests permission to change the total depth of 6600' to 7100' in the above-referenced proposed well.

RECEIVED

AUG 30 1991

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed William A. Smith

Title Regulatory Analyst

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

**APPROVED BY THE STATE**  
**OF UTAH DIVISION OF**  
**OIL, GAS, AND MINING**

DATE: 9-6-91

BY: John D. Johnson

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations or to any matter within its jurisdiction.

DIVISION OF OIL, GAS AND MINING

WATER PERMIT OK

API NO. 43-047-32052

SPUDDING INFORMATION

NAME OF COMPANY: ANR PRODUCTION COMPANY

WELL NAME: DESERT SPRINGS FED. #20-1

SECTION NESW 20 TOWNSHIP 10S RANGE 18E COUNTY UINTAH

DRILLING CONTRACTOR LEON ROSS

RIG # 1

SPUDDED: DATE 9-24-91

TIME 3:30 p.m.

HOW DRY HOLE

DRILLING WILL COMMENCE 9-30-91/OLSEN #7

REPORTED BY LEON ROSS

TELEPHONE # 722-4469

DATE 9-27-91 SIGNED TAS/SBH

ENTITY ACTION FORM - FORM 6

OPERATOR ANR Production Company

OPERATOR ACCT. NO. N 0675

ADDRESS P. O. Box 749

Denver, Colorado 80201-0749

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11247	43-047-32052	Desert Spring Federal 20-1	NESW	20	10S	18E	Uintah	9/24/91	9/24/91
WELL 1 COMMENTS: Federal-Lease Prop. Zone - WSTC Field-Wildcat (Entity added 10-8-91 "Unit well") Unit-Desert Springs											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED

OCT 03 1991

DIVISION OF  
OIL GAS & MINING

*Eileen Danni Dey*  
Signature Eileen Danni Dey  
Regulatory Analyst 9/27/91  
Title Date

Phone No. (303) 573-4476

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

U-64420

6. If Indian, Aliquot or Tribe Name

N/A

7. If Unit or L.A. Agreement Designation

N/A

8. Well Name and No.

Desert Spring Federal 20-1

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

SUBMIT IN TRIPLICATE

1. Type of well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749 Denver, Colorado 80201-0749 (303) 573-4476

4. Location of well (Footage, sec., T., R., M., or Survey Description)

1596' FWL, 1405' FSL  
NE/SW Section 20, T10S-R18E

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recommendation

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Report of Spud

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of completion operations on well completion or abandonment reports and log forms.)

13. Describe proposed or completed operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is discontinuously drilled, give subsurface locations and measures and true vertical depths for all markers and zones pertinent to this work.)

MIRU Leon Ross Drilling, Inc. Spud surface hole @ 3:30 p.m., 9/24/91. Drilled 12-1/4" hole to 262'. Ran 6 jts 8-5/8", 24#, J-55, ST&C and set at 265'. Cemented w/150 sx Type V cmt w/2% CaCl<sub>2</sub> & 1/4 #/sx Flocele.

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OCT 03 1991

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Signature

Title

Regulatory Analyst

Date 9/27/91

(This space for Federal or State office use)

Approved by

Title

Conditions or approvals, if any:

Date



**Coastal**  
The Energy People

October 3, 1991

Utah Div. of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Ste. 350  
Salt Lake City, UT 84180-1203

Gentlemen:

43-047-32052

ANR Production Company is currently drilling the Desert Spring Federal #20-1 well located in Section 20, T10S-R18E, Uintah County, Utah and anticipates reaching total depth in approximately one week. We are requesting that all data on this well be regarded as **confidential** and that no information be released by your agency for a period of six months.

Thank you for your assistance in this request.

Very truly yours,

W. A. Cole  
Senior Geologist

WAC/gab

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DIVISION OF  
OIL GAS & MINING

**ANR Production Company**

A SUBSIDIARY OF THE COASTAL CORPORATION  
600 17TH STREET STE 800 SOUTH • P O BOX 749 • DENVER CO 80201-0749 • 303/572-1121

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

Type of well  
☐ Oil Well ☒ Gas Well ☐ Other

1. Name of Operator  
ANR Production Company

2. Address and Telephone No.  
P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

3. Location of well (Footage, Sec., T., R., M., or Survey Description)  
1596' FWL & 1405' FSL  
Section 20, T10S-R18E

5. Lease Designation and Series No.

U-64420

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or L.A. Agreement Designation

N/A

8. Well Name and No.

Desert Spring Fed 20-1

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

**CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- ☐ Abandonment  
☐ Reconnaissance  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Confidential Status
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report forms of abandonment on well completion or abandonment of well and log forms.)

13. Describe proposed or completed operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is abandoned or drilled, give subsurface locations and measures and true vertical depths for all markers and zones pertinent to this work.)

ANR Production Company hereby requests Confidential Status for the above referenced well.

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OCT 07 1991

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Title

Regulatory Analyst

Date

10/2/91

(This space for Federal or State office files)

Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Bureau Form No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of well  
☐ Oil Well ☒ Gas Well ☐ Other

1. Name of Operator  
ANR Production Company

2. Address and Telephone No.  
P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

3. Location of well (Footage, Sec., T., R., M., or Survey Description)  
1596' FWL & 1405' FSL  
Section 20, T10S-R18E

4. Lease Designation and Series No.  
U-64420

5. If Indian, Allottee or Tribe Name  
N/A

6. If Unit or LA, Agreement Designation  
N/A

7. Well Name and No.  
Desert Spring Fed 20-1

8. API Well No.  
43-047-32052

9. Field and Pool, or Exploratory Area  
Wildcat

10. County or Parish, State  
Uintah County, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recommendation  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Confidential Status

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

13. Describe proposed or completed operations (Clearly state all pertinent details, and give pertinent data, including estimates and of starting any proposed work. If well is subsequently drilled, give subsurface locations and measures and true vertical depths for all shutters and zones pertinent to this work.)

ANR Production Company hereby requests Confidential Status for the above referenced well.

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OCT 09 1991

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Allen M. Smith Title Regulatory Analyst Date 10/2/91

This space for Federal or State office use:

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Series No. U-64420
2. Name of Operator ANR Production Company	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476	7. If Unit or L.A. Agreement Designation N/A
4. Location of well (Footage, sec., T., R., M., or Survey Description) 1596' FWL & 1405' FSL NE/SW Section 20, T10S-R18E	8. Well Name and No. Desert Spring Fed. 20-1
	9. API Well No. 43-047-32052
	10. Field and Pool, or Exploratory Area Wildcat
	11. County or Parish, State Uintah County, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recommendation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Pipeline R-O-W
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe proposed or completed operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is decommissioned drilled, give subsurface locations and measures and true vertical depths for all shutters and zones pertinent to this work.)

ANR Production Company requests a right-of-way to install a 4" gas pipeline from the Desert Spring Federal 20-1 gas well and tie into the existing gas pipeline. This right-of-way will be located in Section 20, T10S-R18E within lease #U-64420 and within the Desert Spring Federal Unit boundaries. ANR requests a 30' width easement with a total slope distance of 560'. There will be minimum surface disturbance as the pipeline will be laid on the surface. Please see the attached topographic map, which illustrates this proposed right-of-way.

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DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct.

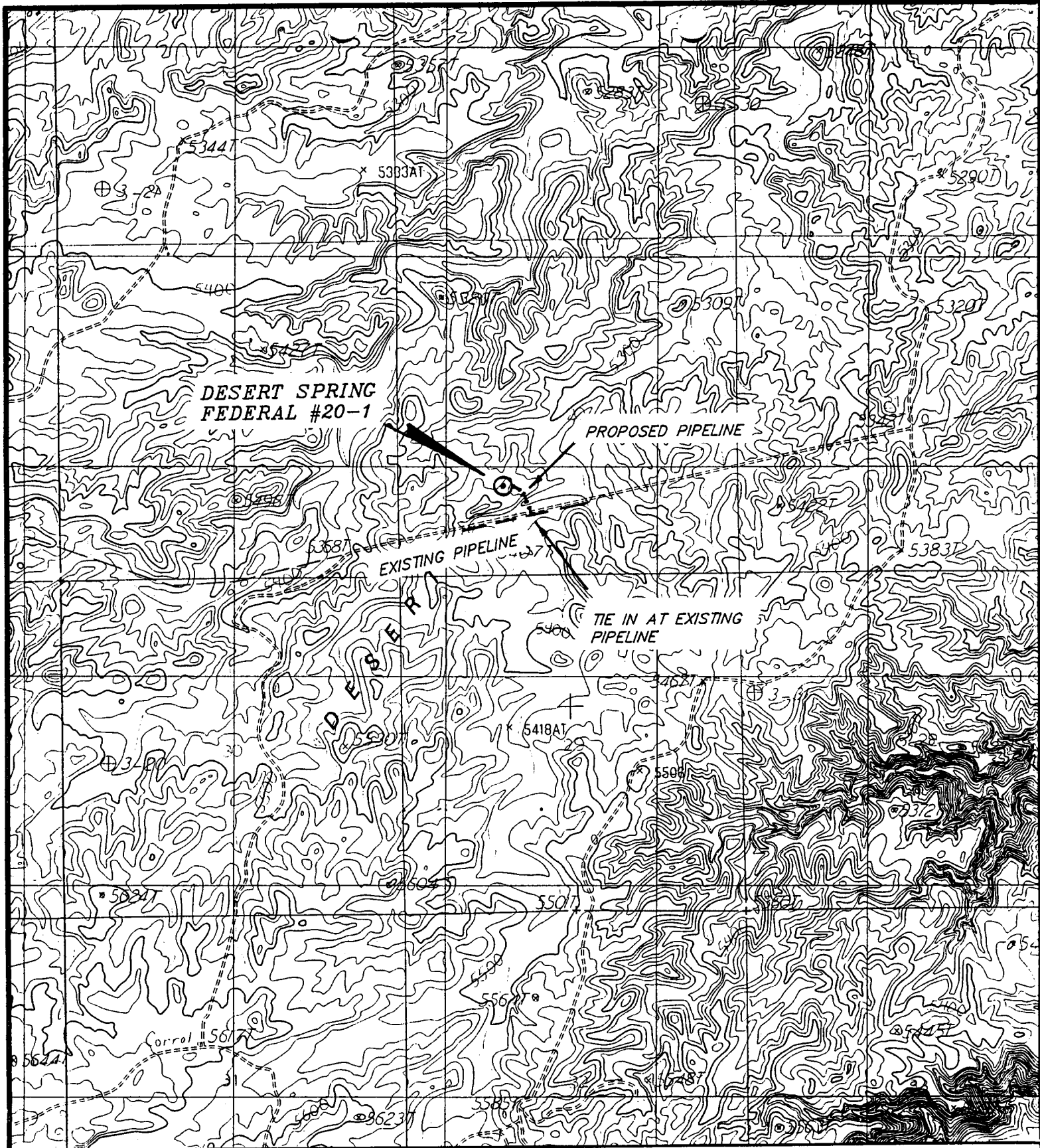
Signed Allen K. Smith Title Regulatory Analyst Date 10/16/91

This space for Federal or State office use

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Comments or approvals, if any: \_\_\_\_\_





APPROX. PIPELINE SLOPE DISTANCE FROM PIPELINE TO EDGE OF PAD = 560'

# TOPOGRAPHIC MAP

## LEGEND

- EXISTING PIPELINE
- ===== Proposed Pipeline



## ANR PRODUCTION CO.

PROPOSED PIPELINE RIGHT-OF-WAY FOR  
DESERT SPRING FEDERAL #20-1  
SECTION 20, T10S, R18E, S.L.B.&M.

DATE 10-11-91

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Form No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Acquisition and Status No.

U-64420

6. If Indian, Aliquot or Tribal Name

N/A

7. If Unit or L.A. Agreement Designation

N/A

8. Well Name and No.

Desert Spring Fed. 20-1

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

SUBMIT IN TRIPLICATE

Type of well

☐ Oil Well ☒ Gas Well ☐ Other

1. Name of Operator

ANR Production Company

2. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

3. Location of well (Footage, sec., T., R., M., or survey description)

1596' FWL & 1405' FSL  
NE/SW Section 20, T10S-R18E

CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recommendation  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Pipeline R-0-W  
☐ Change of Plans  
☐ New Construction  
☐ Non-Reserve Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report review of abandonment on well completion or abandonment status and log term.)

13. Describe proposed or completed operations (Clarify type of operation desired, and give pertinent data, including estimated date of starting any proposed work, if well is permanently drilled, give subsurface locations and measures and true vertical depths for all starters and show pertinent to this work.)

ANR Production Company requests a right-of-way to install a 4" gas pipeline from the Desert Spring Federal 20-1 gas well and tie into the existing gas pipeline. This right-of-way will be located in Section 20, T10S-R18E within lease #U-64420 and within the Desert Spring Federal Unit boundaries. ANR requests a 30' width easement with a total slope distance of 1318'. There will be minimum surface disturbance as the pipeline will be laid on the surface. Please see the attached topographic map, which illustrates this proposed right-of-way.

(Please note the attached topo which illustrates the proposed pipeline rights-of-way for the Desert Spring Units #19-B-7, #20-1, #29-B-1, & the #29-B-11.)

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NOV 20 1991

DIVISION OF  
OIL GAS & MINING

REVISED 11/12/91

4. I hereby certify that the foregoing is true and correct

Signed Colleen M. Hunsley  
Title Regulatory Analyst

Title

Date 10/16/91

This space for Federal or State office use

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title

Date



APPROX. PIPELINE SLOPE DISTANCE FROM PIPELINE TO EDGE OF PAD = 1318'

# TOPOGRAPHIC MAP

## LEGEND

- EXISTING PIPELINE
- ===== Proposed Pipeline

Revised 11-6-91 MDA

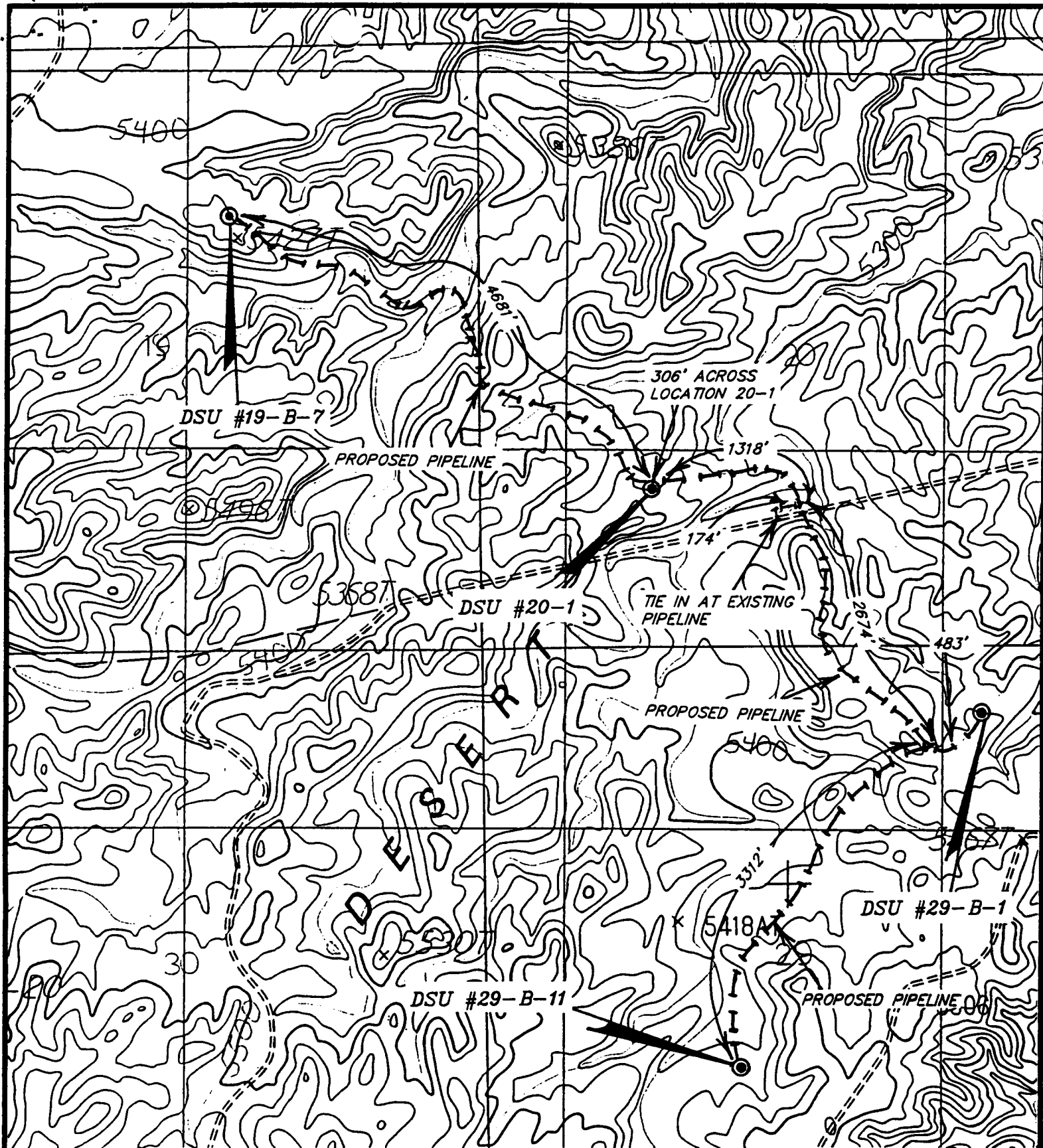
REVISED: 11-11-91 R.E.H.



## ANR PRODUCTION CO.

PROPOSED PIPELINE RIGHT-OF-WAY FOR  
DESERT SPRING FEDERAL #20-1  
SECTION 20, T10S, R18E, S.L.B.&M.

DATE 10-11-91



**TOTAL PIPELINE SLOPE DISTANCE = 12,948'**

**TOPOGRAPHIC  
MAP**

**LEGEND**

----- EXISTING PIPELINE  
 -+--+ Proposed Pipeline

DATE 11-11-91



**ANR PRODUCTION CO.**

PROPOSED PIPELINE RIGHTS-OF-WAY FOR  
 DSU #19-B-7, DSU #20-1, DSU #29-B-1  
 & DSU #29-B-11

SECTIONS 19, 20, & 29, T10S, R18E, S.L.B.&M.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-64420

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Desert Spring Federal

9. WELL NO.

20-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Section 20, T10S-R18E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

ANR Production Company

3. ADDRESS OF OPERATOR

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1596' FWL & 1405' FSL (NE/SW)

At top prod. interval reported below Same as above.

At total depth Same as above.

DIVISION OF

OIL GAS & MINING

14. PERMIT NO.

43-047-32052

7/31/91

15. DATE SPUDDED 9/24/91 16. DATE T.D. REACHED 10/13/91 17. DATE COMPL. (Ready to prod.) 12/12/91 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)\* 5363' GR, 5377' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7238' 21. PLUG, BACK T.D., MD & TVD 7196' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY SFC-TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 5124'-7153' (Wasatch) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL, FDC/CNL, BHC, CBL/CCL/GR MUD LOG 10-30-91

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	262'	12-1/4"	150 sx Type V + Add.	None
5-1/2"	17#	7236'	7-7/8"	780 sx HiFill & 50/50 Poz	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	5074'	N/A

31. PERFORATION RECORD (Interval, size and number)

Perf'd w/4" csg gun, 1 JSPF @ following depths:

5124' 5544' 6166'  
5133' 5643' 7144'  
5166' 6146' 7148'  
5534' 6153' 7153'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5124'-7153'	4000 gals 3% KCl wtr & 24 BS's
5124'-7153'	170,200 gal gel w/30% CO <sub>2</sub>
	w/304,400# 20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10/29/91		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
12/12/91	24	32/64"	→	0	200	0	N/A
FLOW. TUBING PRSS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
20	200	→	0	200	0	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

P. Breshears

35. LIST OF ATTACHMENTS

Chronological history.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Eileen Danni Day

Regulatory Analyst

DATE 12/30/91

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Wasatch	4674'	4674'

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

DESERT SPRINGS FED. #20-1  
LITTLE DESERT PROSPECT  
UINTAH COUNTY, UTAH  
OLSEN DRG  
WI: 100% ANR AFE: 63692  
ATD: 7100' (WASATCH) SD: 10/4/91  
CSG: 8-5/8" @ 262'; 5-1/2" @ 7236'  
DHC(M\$): 231.8

NE/SW SECTION 20-T10S-R18E

9/26/91 265' GL WORT. Drilled 12-1/4" hole to 265' w/Leon Ross Drlg. Spudded 3:30 p.m., 9/24/91. Ran 6 jts (265.23') 8-5/8" 24# J-55 ST&C csg. FS 262'. Howco pumped 20 bbls gel water, 10 bbls wtr, 150 sx Type V cement w/2% CaCl<sub>2</sub>, 1/4#/sk Flocele, 15 bbls wtr displacement. 30' cmt in csg. Good returns, 8 bbls cmt to surface. CC: \$10,705.

10/1/91 MIRT. Will spud Wed., 10/2/91. CC: \$10,705.

10/2/91 RURT. Will spud Thursday, 10/3/91. CC: \$33,513.

10/3/91 MIRT. Will spud Friday a.m., 10/4/91. CC: \$33,513.

10/4/91 Testing csg. RURT. Test BOP's, rams & manifold to 2000 psi, hydril to 1500 psi. Witnessed by BLM - Ray Arnold. Testing csg. CC: \$42,229.

10/5/91 1394' Drlg 1118'/19 hrs. Spud @ 10:30 a.m., 10/4/91. LD test pkr & PU BHA. Drlg cmt & CO csg from 232' to 276'. Drlg, svy: 1/2 deg @ 378'; 1 deg @ 1003'. RS, drlg. MW 8.4, VIS 28, PH 11. CC: \$61,571.

10/6/91 2258' Drlg 864'/11 hrs. Drlg, TOH. W/O and RU air package. TIH, svy: 1 deg @ 1510'; 1 deg @ 2169'. Drlg w/aerated wtr. pH 11.0, 1400 CFM. CC: \$76,896.

10/7/91 3523' Trip for wireline. 1265'/21 hrs. Drlg, svys: 1 deg @ 2531'; 1-1/2 deg @ 2980'. Trip for broken survey line. 50% SDST, 50% SH, BGG 200 U, CG 650 U. Start mudlogging @ 3000'. Aerated wtr, pH 10.0, 1400 CFM. CC: \$97,146.

10/8/91 4415' Drlg 892'/21.5 hrs. Trip for wireline. Drlg, svy: 1-1/4 deg @ 3523'; 1-1/4 deg @ 4020'. Wasatch Tongue 4080', 60% SS, 40% SH, BGG 150 U, CG 500 U. Installed gas buster. Aerated wtr, pH 11.0, 1400 CFM. CC: \$120,225.

10/9/91 4970' TFNB and reamer. 555'/15 hrs. Drlg, svys: 1-1/4 deg @ 4539'; 1-1/4 deg @ 4929'. Circ for trip. TFNB, reamers and jars. 70% SH, 30% SDST, BGG 150 U, CG 400 U. Wasatch top @ 4600'. Aerated wtr, pH 11.0, 1400 SCFM. CC: \$135,187.

10/10/91 5051' Inspect BHA. 81'/2 hrs. Fin TIH. Break circ, wash 20' to btm. Drlg, lost 35,000# wt while making connection, drop 10'. Circ, load hole. TOOH, jars backed off @ service joint. WO fishing tools. MU overshot, bumper sub, jars. TIH, work fish loose, did not jar. TOOH w/fish, chain out. LD & load out fishing tools. Fin TOOH. Inspect BHA and DC's. 70% SH, 30% SDST, BGG 200 U, CG 350 U, TG 900 U. Aerated wtr, pH 11.0, 1400 CFM. CC: \$152,075.

10/11/91 5525' Drlg 474'/13.5 hrs. Fin inspecting DC's. TIH, break circ, wash 120' to btm. Drlg, RS, drlg. 80% SH, 20% SDST, BGG 150 U, CG 300 U, TG 900 U. Aerated wtr, pH 11.0, 1400 SCFM. CC: \$168,278.

10/12/91 6221' Drlg 696'/23 hrs. Drlg, svy: 1-1/2 deg @ 5626', drlg, RS, drlg. 70% SS, 30% SH, BGG 150 U, CG 400 U.

Drlg Brks	Gas Units	MPF	
5950'-5958'	100-225-100	2.5-0.8-2.5	Wasatch, 40% SS, 60% SH.
5988'-6004'	100-100-100	1.5-1.0-1.5	Wasatch, 80% SS.
6023'-6035'	No Returns	2.0-1.0-1.5	Wasatch.
6094'-6108'	150-200-150	1.5-0.8-1.5	Wasatch, 60% SS.
6150'-6159'	100-150-100	1.5-1.0-1.5	Wasatch, 90% SS.

Drlg w/aerated KCl wtr. pH 11.0, 1400 CFM. CC: \$187,414.

COASTAL OIL & GAS CORPORATION  
CHRONOLOGICAL HISTORY

DESERT SPRINGS FED. #20-1  
LITTLE DESERT PROSPECT  
UINTAH COUNTY, UTAH  
OLSEN DRLG  
WI: 100% ANR AFE: 63692

NE/SW SECTION 20-T10S-R18E  
PAGE 2

- 10/13/91 6754' Drlg 533'/21 hrs. Drlg, circ & svy: 2-1/4 deg @ 6396'. Drlg. Trip for hole in DP. Drlg. 80% SH, 20% SDST, BGG 150 U, CG 350 U. Drlg brk: 6414'-6421', gas units 100-300-150, MPF 2.0-0.8-2.0, Wasatch, 50% SDST. Drlg w/aerated wtr. pH 11, 1400 SCFM. CC: \$200,761.
- 10/14/91 7238' Circ to TFNB. 484'/20.5 hrs. Drlg, svy: 2-1/4 deg @ 6696'. RS, drlg. Repair rotating hd. Drlg, circ for trip. 70% SH, 30% SDST, BGG 200 U, CG 400 U.  

Drlg Brks	Gas Units	MPF	
6750'-6758'	150-400-200	2.5-1.5-2.5	Wasatch, 40% SDST.
6814'-6828'	200-380-200	2.0-1.0-2.5	Wasatch, 70% SDST.
7150'-7162'	250-400-250	1.5-0.5-2.0	Wasatch, 90% SDST.

Drlg w/aerated wtr. pH 11.0, 1400 SCFM. CC: \$211,319.
- 10/15/91 7238' Wash and ream to btm @ 2495'. Circ & load hole w/wtr. RR, compound chain. Short trip, circ. Displace hole w/400 bbls 10# brine. TOOH, SLM = 7238.38'. RU Schlumberger. Attempt to log. Bridge @ 1234'. TIH, clean out bridge to 1260'. RD Schlumberger. TIH, wash & ream 1260'-2495'. 10 PPG brine. CC: \$218,766.
- 10/16/91 7238' Circ & cond mud. Wash & ream 2495-3160'. TIH, break circ. TIH, wash 4560-6406'. TIH, wash & ream 60' to btm. Circ reserve pit, mix mud in steel pits. Displace hole w/550 bbl, 8.8 PPG, 40 VIS, 9.0 FL mud. Circ & cond mud. Aerated mud. MW 8.7/8.7, VIS 48/28, WL 9.0, PV 20, YP 21, 2% SOL, PH 9.0, ALK .4/.7, CL 700, CA 60, GELS 11, 10" 32, CAKE 1, 800 scm. cc: \$253,956.
- 10/17/91 7238' TOOH for wireline logs. Circ & clean hole. Load hole w/400 bbls pre-mix mud. Short trip to DC's, no drag, no fill. TOOH for E logs. MW 8.5, VIS 50, WL 9.3, PV 15, YP 14, 3% SOL, PH 9.2, ALK .1/.4, CL 750, CA 60, GELS 3, 10" 6, CAKE 1. CC: \$265,920.
- 10/18/91 7238' LDDC TOOH. Logging w/Schlumberger. Logger TD 7209', CNL-FDC-DLL-GR TD to sfc. BHC Sonic 7192' to 382'. TIH, RU & LDDP, RS, rig repair - chain. LDDP & DC's. Wasatch @ 4674' (E log). CC: \$281,650.
- 10/19/91 7238' RDRT. LD DP & DC's. RU csg crew, WO elevators. Clean mud pits. RIH w/175 jts (7240.64') 5-1/2" 17#, J-55 LT&C csg. Circ csg, wash 65' to btm. Cmt w/Howco: 20 bbls mud flush; 210 sx HyFill, .3% HR-7, 1/4#/sk Flocele, 1#/sk Capseal, 3% salt; 570 sx 50-50 Poz, 2% gel, 10% salt, 0.3% CFR-3 0.6% Halad 24, 1/4#/sk Flocele, 1#/sk Capseal; 167 bbls wtr. Bump plug @ 5:30 p.m., 10/18/91. No returns. FS @ 7236', FC @ 7194', 10 centralizers. ND BOP. Set slips w/90M#. Cut off csg. Rig released 7:30 p.m., 10/18/91. CC: \$358,916. FINAL DRILLING REPORT.



THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

PAGE 3

DESERT SPRING FEDERAL #20-1  
LITTLE DESERT PROSPECT  
UINTAH COUNTY, UTAH  
WI: 100% ANR AFE: 63692  
TD: 7238' (WASATCH) SD: 10/4/91  
CSG: 5-1/2" @ 7236' PBD: 7,194'  
PERFS: 5124'-7153' (WASATCH)  
CWC(MS): \$479.7

10/24/91 MIRU CU.  
DC: \$21,250 TC: \$391,539

10/25/91 Prep to run CBL. Finish RU CU. PU 4-3/4" mill and 2-3/8" tbg. TIH. Tag PBD @ 7177'. PU power swivel. DO cmt to FC @ 7196'. Circ hole w/150 bbls 3% KCl wtr. TOOH w/tbg and mill.  
DC: \$3,100 TC: \$394,639

10/26/91 Prep to swab. Ran CBL-CCL-GR log from 7185' to 2100' w/1000 psi on the csg. Good bond from TD to 3400'. TOC @ 2310'. Pressure test csg to 5000 psi. RIH w/4" csg gun. Perf 12 holes from 5124' to 7153'. RD WL. RIH w/pkr and 2-3/8" tbg. Set pkr @ 5074'. ND BOP, NU WH. FL @ sfc. Made 4 swab runs. Rec 23 BW. Swbd dry. No gas shows. Made 1 swab run every hour. No recovery. No gas.  
DC: \$7,496 TC: \$402,135

10/27/91 Prep to swab. SITP - vacuum. FL @ 4600'. Ran swab. Recover 1/2 BW. Wait 1 hr. Made 1 swab run. No recovery. Wait 2 hours. Made 1 swab run. No recovery. No gas show. RU Smith Energy. Broke down perfs w/4000 gals 3% KCl wtr w/24 ball sealers, AIR 7.3 BPM, AIP 4500 psi. Did not ball off. ISIP 1000 psi, 15 min 800 psi. Flwd back 1 hr. Recover 35 BW. Made 7 swab runs. Recover 33 BW. FFL @ 3600'. No gas.  
DC: \$5,465 TC: \$407,600

10/28/91 Prep to swab. SITP 0 psi. FL @ 2000'. Made 9 swab runs. Recover 31 BW. Total load recovered 99 bbls. Swab 1-1/2 bbls in 8 hrs. No gas. LTR 22 BW.  
DC: \$2,160 TC: \$409,760

10/29/91 Flow testing well. SITP 500 psi, SICP 0 psi. Open well on 1/8" choke. Blow well down. Made 2 swab runs. FL @ 4000'. Recover 2 BW. SI well for 1 hr. Open well. Flwg gas. Last rate 14.6 MCFD, FTP 20 psi, 1/8" orifice. LTR 16 BW.  
DC: \$1,520 TC: \$411,280

10/30/91 Flow test well. Flwg 9.45 MCFD, FTP 10 psi, 1/8" orifice.  
DC: \$870 TC: \$412,150

10/31/91 Flow test well. Switch to positive choke. Flwg 25 MCF, FTP 45 psi, 14/64" chk, 1.4 BWPH. Rec'd all of load.  
DC: \$740 TC: \$412,890

11/1/91 SI for BHP buildup test. Flwg 50 MCFD, FTP 40 psi, 14/64" chk, dry gas. Ran tandem pressure bombs. Set bombs @ 5044'. Shut well in @ 2:15 p.m., 10/31/91.  
DC: \$2,470 TC: \$415,360

11/7/91 SI WO frac. Pull bombs @ 7:45 a.m., 11/7/91.

11/8/91 SI WO frac.

11/9/91 SI WO frac. MIRU CU. Kill well. ND WH, NU BOP's. Rel pkr. POOH w/pkr and tbg. TIH w/notched collar and tbg. EOT @ 5074'. RDMO CU.  
DC: \$3,208 TC: \$418,568

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

DESERT SPRING FEDERAL #20-1  
LITTLE DESERT PROSPECT  
UINTAH COUNTY, UTAH  
WI: 100% ANR      AFE: 63692  
TD: 7238' (WASATCH)      SD: 10/4/91

PAGE 4

11/15/91 Flow test well. MIRU Western. Frac well w/170,200 gal gel w/30% CO<sub>2</sub> w/304,400# 20/40 sand. Pump pad w/4 stages of sand. Drop ball sealers. Pump pad w/4 stages of sand. AIP 4550 psi @ 35 BPM for 1st frac. 4800 psi @ 26 BPM for 2nd frac. ISIP 2300 psi, 15 min 2030 psi. SI 5 hrs. Flow back to pit.  
DC: \$114,855      TC: \$533,423

11/16/91 Flwg 600 MCFD CO<sub>2</sub>, FTP 975 psi, CP 1000 psi, 14/64" chk, 10 BWPH.

11/17/91 Flwg 500 MCFD CO<sub>2</sub>, FTP 650 psi, CP 500 psi, 16/64" chk, 5 BWPH.

11/18/91 Flwg 500 MCFD CO<sub>2</sub>, FTP 575 psi, CP 800 psi, 16/64" chk, 1/2 BWPH.

11/19/91 Flwg 350 MCFD CO<sub>2</sub>, FTP 375 psi, CP 550 psi, 16/64" chk, 1/2 BWPH. Going to run sinker bar in well this a.m. to check for fill.

11/20/91 Flwg 250 MCFD CO<sub>2</sub>, FTP 150 psi, CP 300 psi, 16/64" chk, dry gas. Ran wireline. Tag PBTD @ 7162'. Btm perf @ 7153'.

11/21/91 Well SI. Prep to run frac tracer log.

11/22/91 Prep to clean out sand. Ran frac tracer log. Btm 3 perfs covered. All other perfs took sand except 5534' & 5544'. Flowing 280 MCFD, FTP 100 psi, CP 525 psi, 20/64" chk.  
DC: \$6,758      TC: \$540,181

11/23-25/91 Prep to unload to pit. Flow 275 MCFPD, FTP 100#, CP 475#, 20/64" chk, dry, gas burns, 7 hr. SI @ 2:00 p.m., 11/23 to run tracer svy. SITP 350#. Ran tracer svy, tag @ 7062', could not work any deeper (sand bridge). RD WL. Unload well to pit. Flow 400 MCFPD, 5 BW, FTP 300#, 16/64" chk, CP 600#. Left flwg to pit overnight, FTP 0# this a.m.  
DC: \$13,900      TC: \$554,081

11/26/91 Prep to CO wellbore and run tracer log. Blew well down to pit. MI rig.  
DC: \$4,100      TC: \$558,181

11/27/91 TIH w/4-3/4" mill to finish CO well. Blew well down, kill w/3% KCl. ND WH, NU BOP. RIH w/notched collar on 2-3/8" tbg. CO frac sand to 7131', unable to work deeper. POH.  
DC: \$2,900      TC: \$561,081

11/28-12/1/91 Swab well in. TIH w/tbg & mill. Tag metal @ 7131'. Mill out metal from 7131' to 7138'. TIH to PBTD @ 7100'. Ran tracer log. Btm 3 perfs did take frac.  
DC: \$22,500      TC: \$583,581

12/2/91 Prep to swab. Swab well. Recover 170 BW. Show of gas.  
DC: \$1,500      TC: \$585,081

12/3/91 Prep to swab. Swab 155 BW in 31 runs. FFL @ 3400'. SITP this a.m., 12/4/91 250 psi. TLTR 127 bbls.  
DC: \$2,000      TC: \$587,081

12/4/91 Swab back load volume. Swbd 120 BW in 31 runs. Trace gas. FFL @ 4000'. SITP this a.m., 12/5/91 350 psi, 7 BLWTBR.  
DC: \$1,950      TC: \$589,031

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

DESERT SPRING FEDERAL #20-1  
LITTLE DESERT PROSPECT  
UINTAH COUNTY, UTAH  
WI: 100% ANR      AFE: 63692  
TD: 7238' (WASATCH)      SD: 10/4/91

PAGE 5

12/5/91      Swab well. Swab 100 BW in 28 runs. 5-10 minutes gas blow after each swab.  
DC: \$2,100      TC: \$591,131

12/6/91      Swab well. SITP 490 psi, SICP 450 psi. Blow down in 15 min. IFL 3540'. Swab 84 BW in 32 swab runs. FFL 4040'. Small gas blow after each run.  
DC: \$3,390      TC: \$594,521

12/7/91      Swab well. SITP 460 psi, SICP 495 psi. Blow down in 30 min. Recover 38 BW in 14 swab runs. IFL 4300'. FFL 4440'. Good gas blow for 15 min behind swab.

12/8/91      Swab well. SICP 470 psi, SITP 360 psi. Blow down in 25 min. Recover 2 BW. Made 21 swab runs and recovered 57 BW. IFL 4040', FFL 4040'. Good gas blow behind swab.

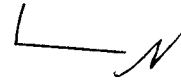
12/9/91      Swab to pit. Recover 80 BW in 24 runs. Good gas blow after each run. Water analysis shows water to be 3% KCl wtr.

12/10/91      Swabbing. SITP 600 psi, SICP 480 psi. Flow to pit 1-1/2 hrs. Made 9 swab runs. Recover 35 BF. 30-40 min blow after each run.

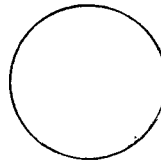
12/11/91      Flow to pit. Flwg 50-100 MCF w/slugs water, FTP 0 psi, 64/64" choke.

12/12/91      Flwg 200 MCFPD, FTP 20 psi, CP 200 psi, 32/64" choke. 2-1/2 BWPH. RDMO CU.

Desert Spring Id 20-1 Sec 20 T10 S R18 E Kubly 1/29/92



emergency  
pit

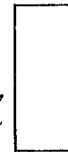


permed  
condensate  
tank



meter run

production  
unit



dehydrator

well head ○

# CONFIDENTIAL

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

### SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1596' FWL & 1405' FSL (NE/SW)  
Section 20, T10S-R18E

5. Lease Designation and Serial No.

U-64420

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Desert Spring Unit Fed 20-

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Wellbore Cleanout  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please see the attached chronological history for the "wellbore cleanout" performed on the above referenced well.

RECEIVED

FEB 05 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Title

Regulatory Analyst

Date

1/30/92

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

DESERT SPRING FEDERAL #20-1 (CLEANOUT WELLBORE)  
LITTLE DESERT PROSPECT  
UINTAH COUNTY, UTAH  
WI: 100% ANR      AFE: 63803  
TD: 7238' (WASATCH)      SD: 10/4/91  
CSG: 5-1/2" @ 7236'      PBD: 7,194'  
PERFS: 5124'-7153' (WASATCH)  
CWC(M\$): \$62.0

PAGE 6

12/13/91    Flow testing.    Prep to check for fill.

12/14/91    Flwd 250 MCFD, 1 to 1-1/2 BWPH, SICP 200 psi, FTP 35 psi, 32/64" choke.

12/15/91    Flwd 250 MCFD, 1 BWPH, SICP 200 psi, FTP 35 psi, 32/64" choke.

12/16/91    Flwd 150 MCFD, 2 BWPH, SICP 200 psi, FTP 10 psi, 32/64" choke.

12/17/91    Prep to run swab.    Flwg 50 to 100 MCFD, FTP 0 psi, CP 200 psi, 32/64" choke, 5 BWPD.    Ran wireline.    Tag PBD @ 7174'.    No fill.  
TC: \$65,000

12/18/91    Flwd 150 MCFD, FTP 10 psi, CP 200 psi, 32/64" choke, 2 BWPD.

12/19/91    Flwg 200 MCFD dry gas, FTP 24 psi, SICP 200 psi, 32/64" choke.    SI @ 2:00 p.m., 12/18/91.

12/20/91    Well SI.    Final report.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1596' FWL & 1405' FSL (NE/SW)  
Section 20, T10S-R18E

5. Lease Designation and Serial No.

U-64420

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Desert Spring Fed. #20-1

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Report of Sales  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above referenced well was turned on to sales at 2:00 p.m., 3/9/92, with a rate of 360 MCFD, FTP 1480 psi, 7/64" choke and LP 640 psi.

REGISTERED

MAR 18 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

*Allen L. Dwyer*  
Allen L. Dwyer

Title

Regulatory Analyst

Date

3/13/92

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT—" for such proposals.

**SUBMIT IN TRIPLICATE**

APR 10 1992

DIVISION OF  
OIL GAS & MINING

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
ANR Production Company

3. Address and Telephone No.  
P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1596' FWL & 1405' FSL (NE/SW)  
Section 20, T10S-R18E

5. Lease Designation and Serial No.

U-64420

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Desert Springs Fed. 20-1

9. API Well No.

43-047-32052

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Wildcat

11. County or Parish, State

Uintah County, Utah

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- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

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☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security Diagram

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please see the attached facilities diagram (site security) for the above referenced location.

14. I hereby certify that the foregoing is true and correct.

Signed Patricia Danahay Title Regulatory Analyst Date 4/7/92

(This space for Federal or State office use)

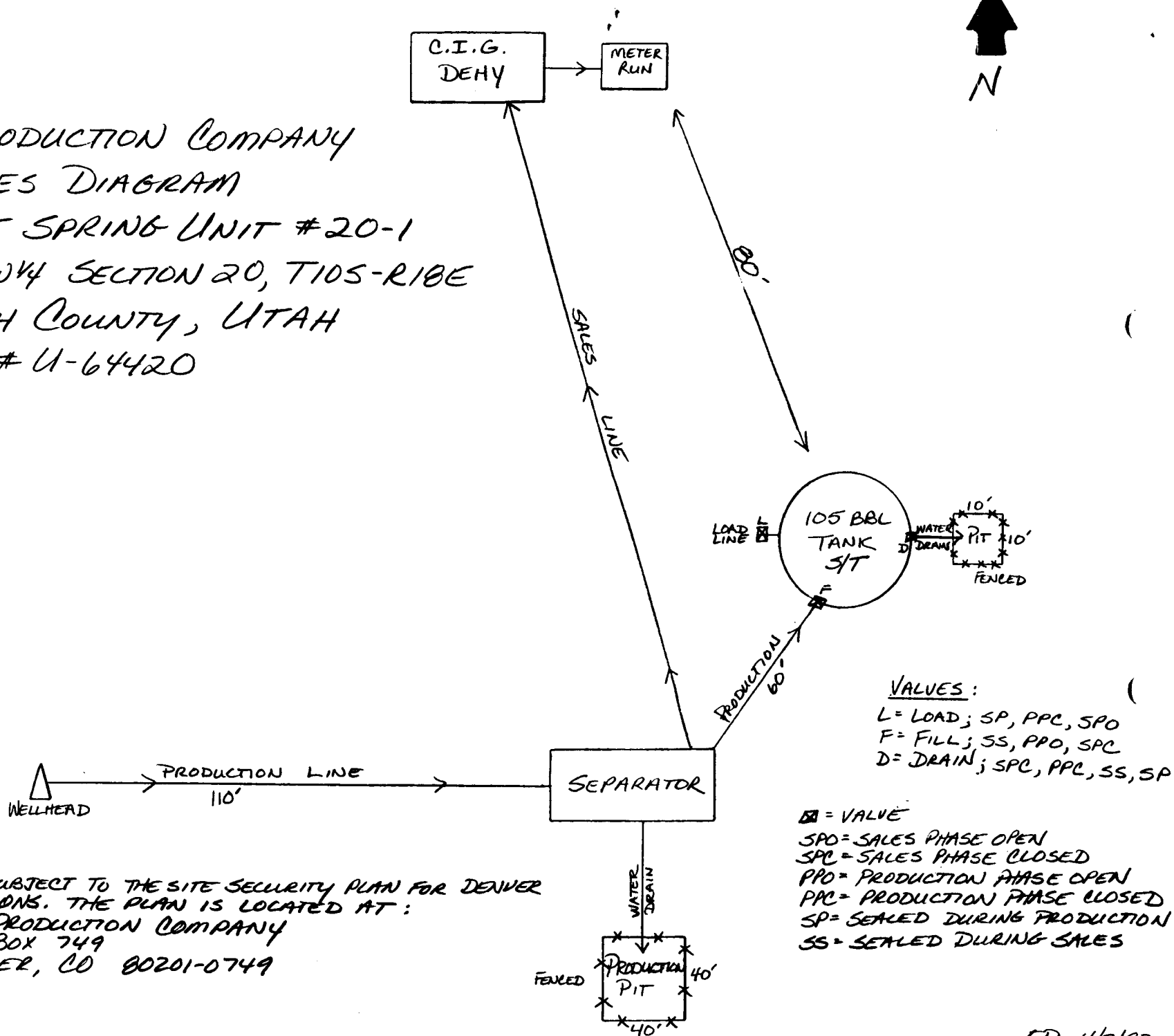
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

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\*See instruction on Reverse Side



ANR PRODUCTION COMPANY  
FACILITIES DIAGRAM  
DESERT SPRING UNIT #20-1  
NE $\frac{1}{4}$ /SW $\frac{1}{4}$  SECTION 20, T10S-R18E  
UINTAH COUNTY, UTAH  
LEASE # U-64420



THIS LEASE IS SUBJECT TO THE SITE SECURITY PLAN FOR DENVER DISTRICT OPERATIONS. THE PLAN IS LOCATED AT:  
ANR PRODUCTION COMPANY  
P.O. BOX 749  
DENVER, CO 80201-0749

ED 4/7/92

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

APR 10 1992

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1596' FWL & 1405' FSL (NE/SW)  
Section 20, T10S-R18E

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Desert Springs Fed. 20-1

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other NTL 2B; IV

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

ANR Production Company hereby requests permission to dispose of produced water in an unlined pit per NTL 2B, IV, for the subject well.

- 1) This well is completed in the Wasatch formation (5124'-7153') and produces less than 5 barrels of water per day on a monthly basis.
- 2) Two unlined pits will be used due to the size and layout of location; 40' x 40' x 8' and 10' x 10' x 6' deep with berms surrounding them. Each pit is fenced and has cemented corner posts per BLM specifications. (See attached facility diagram and water analysis.)
- 3) The average evaporation rate for the area compensated for annual rainfall is 70" per year.
- 4) The estimated percolation rate based on the soil characteristics under and adjacent to the pits is 2-6" per hour.
- 5) The areal extent and depth of waters containing less than 10,000 ppm is unknown.

14. I hereby certify that the foregoing is true and correct

Signed William D. Beyer Title Regulatory Analyst Date 4/7/92

(This space for Federal or State office use)

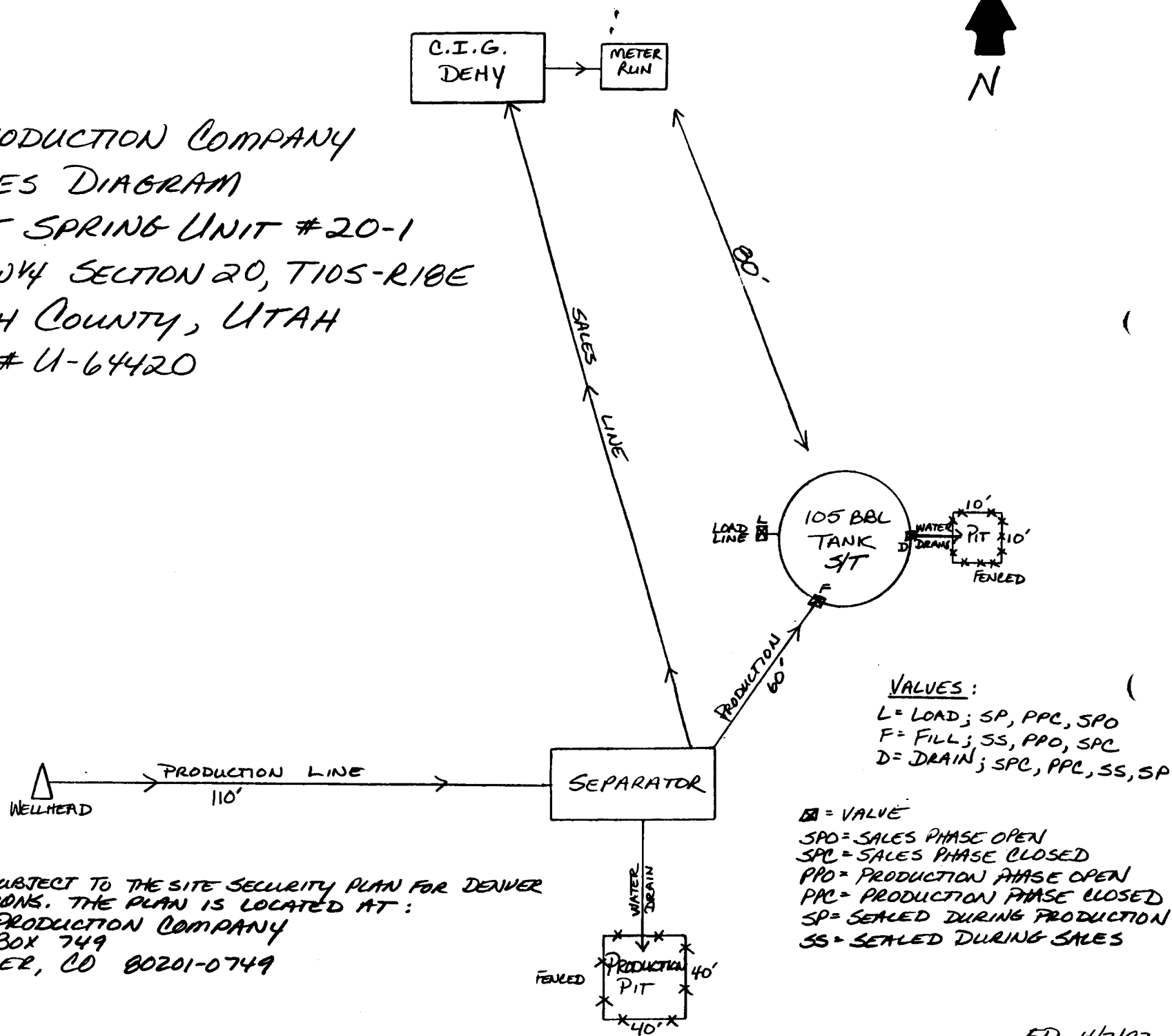
Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_ Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

ANR PRODUCTION COMPANY  
FACILITIES DIAGRAM  
DESERT SPRING UNIT #20-1  
NE $\frac{1}{4}$ /SW $\frac{1}{4}$  SECTION 20, T10S-R18E  
UINTAH COUNTY, UTAH  
LEASE # U-64420



THIS LEASE IS SUBJECT TO THE SITE SECURITY PLAN FOR DENVER DISTRICT OPERATIONS. THE PLAN IS LOCATED AT:  
 ANR PRODUCTION COMPANY  
 P.O. BOX 749  
 DENVER, CO 80201-0749

01-17-92 11:14 AM

W F

Ad 20-1

UNITED CO.

UTAH

THE WESTERN COMPANY OF NORTH AMERICA  
WATER ANALYSIS

vernal DISTRICT LAB

ANALYSIS #: 1

GENERAL INFORMATION

OPERATOR:	COASTAL OIL AND GAS	DEPTH:	
WELL:	FED. 1-20	DATE SAMPLED:	1-15-92
FIELD:		DATE RECEIVED:	
FORMATION:		SUBMITTED BY:	PAUL BREASHEARS
COUNTY:		WORKED BY:	ADAM STATES
STATE:		PHONE #:	801-781-2294

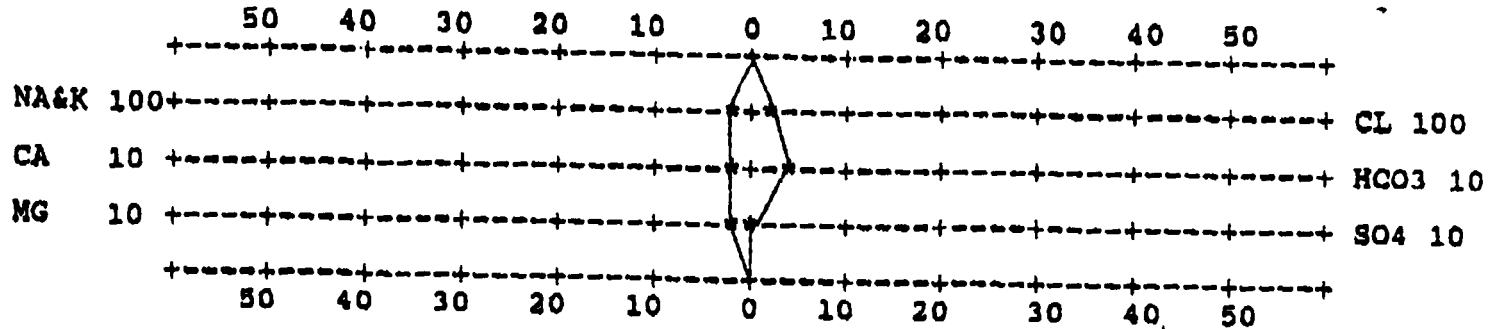
SAMPLE DESCRIPTION: CLEAR WATER.

PHYSICAL AND CHEMICAL DETERMINATIONS

SPECIFIC GRAVITY:	1.005 @ 69 °F	PH:	7
RESISTIVITY (MEASURED):	.51 OHM/METER @ 69 °F		
IRON (FE++):	0 PPM	SULFATE:	199 PPM
CALCIUM:	414 PPM	TOT. HARDNESS (HCO):	2090 PPM
MAGNESIUM:	256 PPM	BICARBONATE:	2306 PPM
CHLORIDE:	6765 PPM	SODIUM CHLORIDE (CALC):	11152 PPM
SODIUM+POTASS:	4393 PPM	TOT. DISSOLVED SOLIDS:	15753 PPM
IODINE:		POTASSIUM CHLORIDE:	0

REMARKS:

STIFF TYPE PLOT (IN MEQ/L)



ANALYST

Adam States  
ADAM STATES

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-64420
2. Name of Operator ANR Production Company	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476	7. If Unit or CA, Agreement Designation Desert Springs Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1596' FWL & 1405' FSL (NE/SW) Section 20, T10S-R18E	8. Well Name and No. Desert Springs Fed. 20-1
	9. API Well No. 43-047-32052
	10. Field and Pool, or Exploratory Area Wildcat
	11. County or Parish, State Uintah County, Utah

**CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Bullhead Squeeze  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please see the attached chronological history for the bullhead squeeze performed on the above referenced well.

**RECEIVED**

APR 23 1992

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed William R. Cannon Title Regulatory Analyst Date 4/20/92  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

DESERT SPRING FEDERAL #20-1

LITTLE DESERT PROSPECT

UINTAH COUNTY, UTAH

WI: 100% ANR

TD: 7238' (WASATCH) SD: 10/4/91

CSG: 5-1/2" @ 7236' PBD: 7194'

PERFS: 5124'-7153' (WASATCH)

PAGE 8

4/11/92 Producing. MIRU Western Company. Cemented 8-5/8" x 5-1/2" csg annulus w/20 bbl LCM pill, 55 sx Class "G" + 2% CaCl<sub>2</sub> + .7% CF-2 + 3 #/sk Hi-Seal 3 + 1/4 #/sk Cello Seal & 200 sx Class "G" + 2% CaCl<sub>2</sub> + .7% CF-2. No pressure during job. Vac 15 min later. Drop from report.  
TC: \$7,050

**RECEIVED**

APR 23 1992

DIVISION OF  
OIL, GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: _____	5. Lease Designation and Serial Number: U-64420
2. Name of Operator: ANR Production Company	6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: P. O. Box 749      Denver, CO 80201-0749      (303) 573-4476	7. Unit Agreement Name: N/A
4. Location of Well Footages: 1596' FWL & 1405' FSL OO, Sec., T., R., M.: NE/SW Section 20, T10S-R18E	8. Well Name and Number: Desert Springs Fed. 20-1  9. API Well Number: 43-047-32052  10. Field and Pool, or Wildcat: Wildcat
County: Uintah State: Utah	

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment  <input type="checkbox"/> Casing Repair  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Conversion to Injection  <input type="checkbox"/> Fracture Treat  <input type="checkbox"/> Multiple Completion  <input type="checkbox"/> Other _____             </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Recompletion  <input type="checkbox"/> Shoot or Acidize  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off             </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment  <input type="checkbox"/> Casing Repair  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Conversion to Injection  <input type="checkbox"/> Fracture Treat  <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Shoot or Acidize  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off             </div> </div>
Approximate date work will start _____	Date of work completion _____  Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above referenced well is shut-in as it is uneconomical to produce. There are no workover plans being evaluated at this time.

RECEIVED

FEB 16 1993

DIVISION OF  
OIL, GAS & MINING

13. Name & Signature: Eileen Danni Dey Title: Regulatory Analyst Date: 2/11/93

(This space for State use only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

JUN 04 1993

DIVISION OF  
OIL, GAS, AND MINING

5. Lease Designation and Serial No.

U-64420

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Desert Spring

8. Well Name and No.

Desert Spring Fed. #20-1

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results or multiple completion on Well Completion or Recommendation Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please see the attached procedure to plug and abandon the above-referenced well.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 6-7-93

BY: J. M. [Signature]

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Regulatory Analyst

Date 6/02/93

(This space for Federal or State office use)

Approved by  
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side



## PLUG AND ABANDON PROCEDURE

DESERT SPRING #20-1  
Section 20-T10S-R18E  
Uintah County, Utah

### WELL DATA

Location: 1405' FSL & 1596' FWL, Sec. 20, T10S, R18E  
Elevation: 5363' GR, 5377' KB  
Total Depth: 7238'  
PBTD: 7196'

### CASING

Surface: 8-5/8" J-55 24# CSA 262', cmt w/150 sx Class "G"  
Production: 5-1/2" J-55 17# LT&C CSA 7236', cmt w/780 sx (cmt to surf)  
Performance Properties:

Description	ID	Drift	Capacity (BPF)	Burst (PSI)	Collapse (PSI)	Tension (#)
5-1/2" J-55 17#	4.892"	4.767"	.0232	5320	4910	247,000
2-3/8" J-55 EUE	1.995"	1.901"	.00389	7700	8100	71,730

Depth Reference: Schlumberger FDC-CNL Log dated 10-17-91  
Perforations: 5124, 5133, 5166, 5534, 5544, 5643,  
6146, 6153, 6166, 7144, 7148, 7153,  
(12 holes)  
Present Status: Shut In.

### PLUGGING PROCEDURE

1. MIRU Completion Unit. ND well head. NU BOP.
2. TOOH with 2 3/8" tubing. Rig up wireline company. TIH with CI Cmt Ret on wireline. Set retainer at 4900'. RU to perforate. Perforate 4 squeeze holes at 2000'. Perforate 4 squeeze holes at 300'.
3. TIH with tubing. Sting into cmt ret. Cmt squeeze Wasatch perforations 5124' to 7153' with 400 sxs Cl "G" cmt. Maximum allowable pressure is 1500 psi. Unsting from retainer and dump any excess cmt on top of retainer (minimum of 10 sxs).
4. POOH with tubing. TIH with tubing and Cmt Retainer to 1600'. Set retainer.
5. Cmt squeeze perforations at 2000' with 200 sxs cl "G" cmt. Dump excess cmt on top of retainer (minimum of 10 sxs).
6. POOH with tubing to surface. Circ cmt through perforations at 300' to surface with 130 sxs cl "G" cmt filling 5-1/2" casing and 5-1/2" x 8-5/8" annulus.
7. ND BOPE, cut off casing. Erect dry hole marker showing company name, locations and lease number. RD MO CU.

DKD:dkd

DESERT SPRING FED 1-2  
SEC 20 T10S R18E  
UINTAH CO., UTAH

ELEV. - 5363' GL  
5377' KB

8<sup>5</sup>/<sub>8</sub>" 24# J-55 CSA 262'  
CMT W/ 150 SXS (CMT TO SUR)

TOP OF CEMENT  
2364'

WASATCH  
4674'

2<sup>3</sup>/<sub>8</sub>" TUBING @ 5074'

PERFORATIONS: 5124, 5133, 5166, 5534, 5544,  
5643, 6146, 6153, 6166, 7144,  
7148, 7153.

PBTD 7196'

TD 7238'

5<sup>1</sup>/<sub>2</sub>" 17# J-55 CSA 7236'  
CMT W/ 780 SXS.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.

U-64420

6. If Indian, Alottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

DESERT SPRING

8. Well Name and No.

DESERT SPRING FED 20-1

9. API Well No.

43-047-32052

10. Field and Pool, Or Exploratory Area

WILDCAT

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other P&A

2. Name of Operator

ANR PRODUCTION COMPANY

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

1596' FWL & 1405' FSL (NE/SW)

SEC. 20-T10S-R18E

**CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☒ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(NOTE: Reports results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)\*

7/21/93 MI RU CU. Set CICR @ 4909'. Pmp 400 sxs "G" leaving 30 sxs on top of CICR. Perf 4 holes @ 2000'. Perf 4 holes @ 1300'. Set CICR @ 1609'. Squeeze 200 sxs "G" leaving 1.5 sxs cmt on top of CICR. Pmp 75 sxs "G" dn 5-1/2" up 8-5/8" cmtg to surface. Cut off csg head. Top out 5-1/2" X 8-5/8" w/15 sxs "G". Weld on dry hole marker. RDMO. Well P&A'd.

14. I hereby certify that the foregoing is true and correct.

Signed

Title

Joe J. Adamski

Environmental Analyst

Date

01/25/94

(This space for Federal or State office use)

APPROVED BY

Title

Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

NOV 27 1994

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

DIVISION OF U-64420

WELL COMPLETION OR RECOMPLETION REPORT AND LOG & MINING

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>P&amp;A</u>		7. UNIT AGREEMENT NAME <u>Desert Spring</u>	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. CENVR. <input type="checkbox"/> Other <u>P&amp;A</u>		8. FARM OR LEASE NAME <u>Desert Spring Federal</u>	
2. NAME OF OPERATOR <u>ANR PRODUCTION COMPANY</u>		9. WELL NO. <u>20-1</u>	
3. ADDRESS OF OPERATOR <u>P.O. Box 749, Denver, CO 80201-0749 (303)573-4476</u>		10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>1596' FWL &amp; 1405' FSL (NE/SW)</u> At top prod. interval reported below At total depth <u>Same</u>		11. SEC. T. R. M. ON BLOCK AND SURVEY OR AREA <u>Sec. 20-T10S-R18E</u>	
14. PERMIT NO. <u>43-047-32052</u>		DATE ISSUED <u>7/31/91</u>	
15. DATE SPUDDED <u>9/24/91</u>		16. DATE T.D. REACHED <u>10/31/91</u>	
17. DATE COMPL. (Ready to prod.) <u>12/12/91</u>		18. ELEVATIONS (DF, RKS, ST, GR, ETC.)* <u>5363' GR 5377' KB</u>	
19. ELEV. CASINGHEAD		12. COUNTY OR PARISH <u>Utah</u>	
20. TOTAL DEPTH, MD & TVD <u>7238'</u>		21. PLUG BACK T.D., MD & TVD <u>P&amp;A</u>	
22. IF MULTIPLE COMPL., HOW MANY* <u>P&amp;A</u>		23. INTERVALS DRILLED BY <u>TD</u>	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>P&amp;A</u>		25. WAS DIRECTIONAL SURVEY MADE <u>NO</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>DLL, FDC/CNL, BHC, CBL/CCL/GR</u>		27. WAS WELL CORRED <u>NO</u>	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8	24	262	12-1/4
5-1/2	17	7236	7-7/8
		CEMENTING RECORD	
		150 sxs type V + add	
		780 Hifill + 50/50 POZ	
		AMOUNT PULLED	
		None	
		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*
			SCREEN (MD)
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) CMT PLUGS: 400 sxs "G" in CIRC @ 4909' 200 sxs "G" in CIRC @ 1609' 75 sxs "G" dn 5-1/2" up 8-5/8" cmt to surface 15 sxs "G" top plug			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION			
DATE FIRST PRODUCTION <u>P&amp;A 7/21/93</u>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
DATE OF TEST		WELL STATUS (Producing or shut-in) <u>P&amp;A 7/21/93</u>	
HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.
			GAS—MCF.
			WATER—BSL.
			GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.
			GAS—MCF.
			WATER—BSL.
			OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Joe J. Adamski</u>		TITLE <u>Environmental Analyst</u>	
		DATE <u>1/25/94</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Chandler & Associates, Inc.

3. ADDRESS AND TELEPHONE NO.

475 17th Street, Suite 1000 Denver, CO 80202 (303)295-0400

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1,596' FWL 1,405' FSL (NE/SW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 27 miles Southeast of Myton, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

1,596'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

4,650'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,363' GR

22. APPROX. DATE WORK WILL START\*

A.S.A.P.

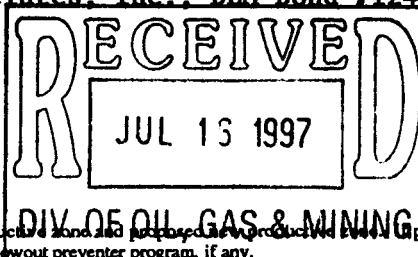
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	8 5/8" K-55	24.0#	0-262'	Casing in Place
	5 1/2" K-55	17.0#	0-7236'	Casing in Place

It is proposed to re-enter the existing wellbore of the Desert Spring Federal #20-1 that was Plugged and Abandoned July 21, 1993. The previous Lease No. was UTU-64420 and the API#43-047-32052. The Green River intervals 4,664'-4,674' and 4,540'-4,550' will be tested after drilling out the cement plugs to a depth of 4,650'.

I hereby certify that I am responsible by the terms and conditions of the lease to conduct lease operations. Bond Coverage pursuant to 43 CFR 3104 for lease activities is being provided by Chandler & Associates, Inc., BLM Bond #124290364 with CNA.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present production zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Tracy D. Henline

TITLE Agent for Chandler

DATE 7/8/97

(This space for Federal or State office use)

PERMIT NO.

43-047-32052

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

John R. Bay

TITLE

Associate Director

DATE

8/18/97

\*See Instructions On Reverse Side

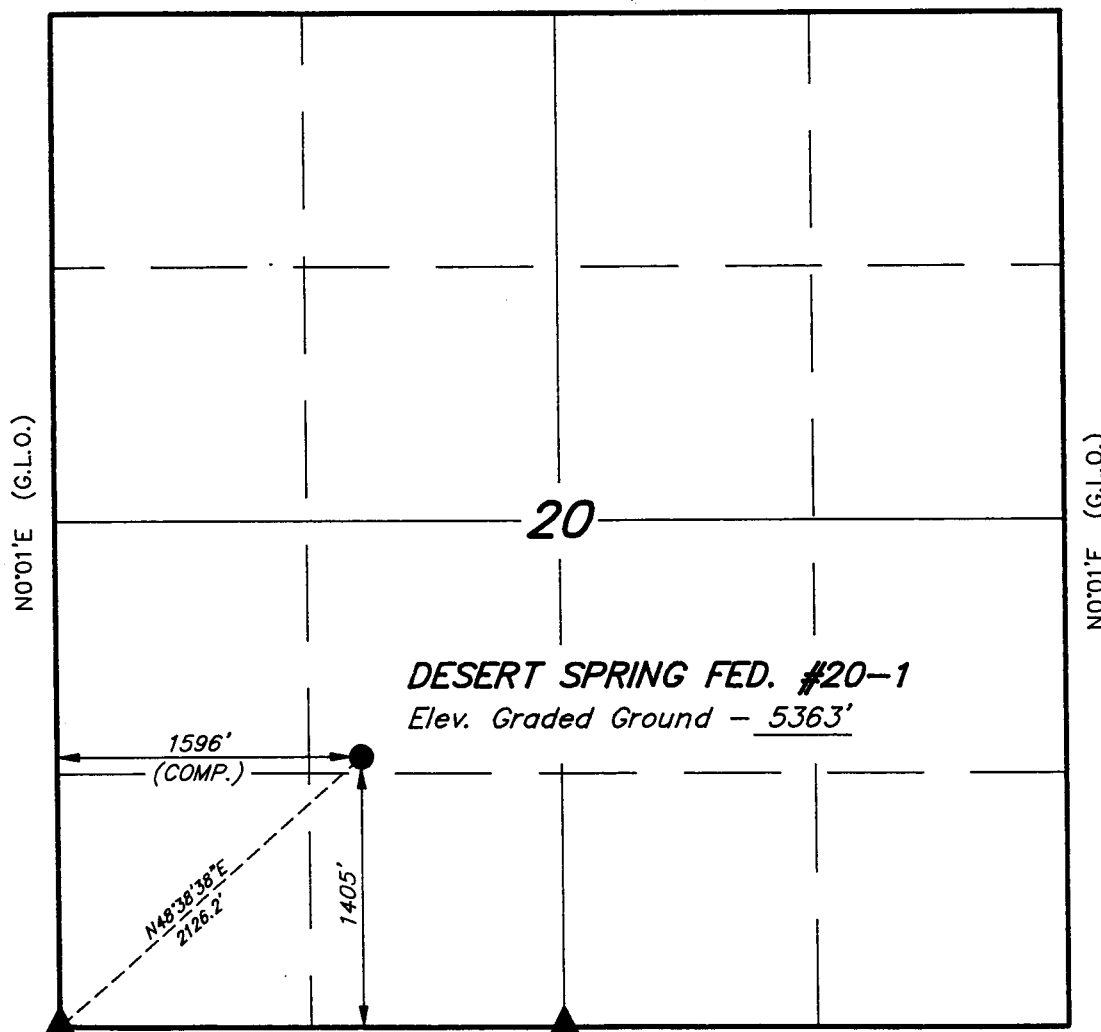
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**T10S, R18E, S.L.B.&M.**

**CHANDLER & ASSOCIATES, INC.**

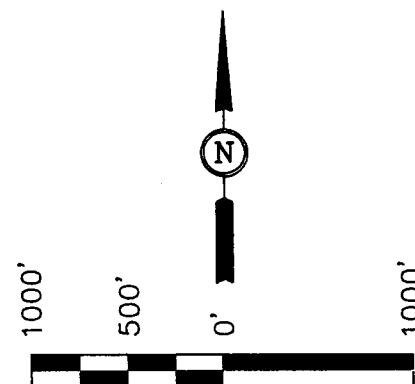
Well location, DESERT SPRING FED. #20-1,  
located as shown in the NE 1/4 SW 1/4  
of Section 20, T10S, R18E, S.L.B.&M.  
Uintah County, Utah.

S89°58'E - 79.90 (G.L.O.)



**BASIS OF ELEVATION**

BENCH MARK LOCATED IN THE SE 1/4 OF SECTION  
32, T9S, R18E, S.L.B.&M. TAKEN FROM THE CROW  
KNOLL QUADRANGLE, UTAH, 7.5 MINUTE SERIES  
(TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED  
STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL  
SURVEY. SAID BENCH MARK IS MARKED AS BEING  
5244 FEET.



**SCALE**

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

No. 5709  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709 L.  
STATE OF UTAH KAY

REVISED: 7-15-97 D.COX

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX 1758 - 85 SOUTH 1000 EAST  
VERNAL, UTAH - 84078

▲ = SECTION CORNERS LOCATED. (Brass Caps)

SCALE 1" = 1000'	DATE 12-28-90
PARTY L.D.T. G.T. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE COASTAL OIL & GAS CORP.

**CHANDLER & ASSOCIATES, INC.**  
**DRILLING PLAN FOR THE**  
**DESERT SPRING FEDERAL #20-1**

I. DRILLING PLAN:

1. Geological Surface Formation: Uintah

2. Estimated Tops:

<u>Name</u>	<u>Top</u>	<u>Prod. Phase Anticipated</u>
Green River	4540'	

It is proposed to re-enter the existing well bore and test the Green River intervals at 4,664' - 4,674' and 4,540' - 4,550' will be tested after drilling out the cement retainers to a depth of 4,650'.

Note: Cement retainers are located at the following depths:  
0-130', 1,300', 1,609', 4,909'-7,153'.

3. EXISTING CASING:

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg. Size</u>	<u>Type</u>	<u>Weight</u>
Surface	262'	12-1/4"	8-5/8"	K-55	24#/ft
Prod.	7236'	7-7/8"	5-1/2"	K-55	17.0#/ft

4. Operator's Specification for Pressure Control Equipment:

- A. 2,000 psi W.P. Double Gate BOP or Single Gate BOP (Schematic attached).
- B. Functional test daily.
- C. All casing strings shall be pressure-tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.

Chandler & Associates, Inc.  
Desert Spring Federal #20-1

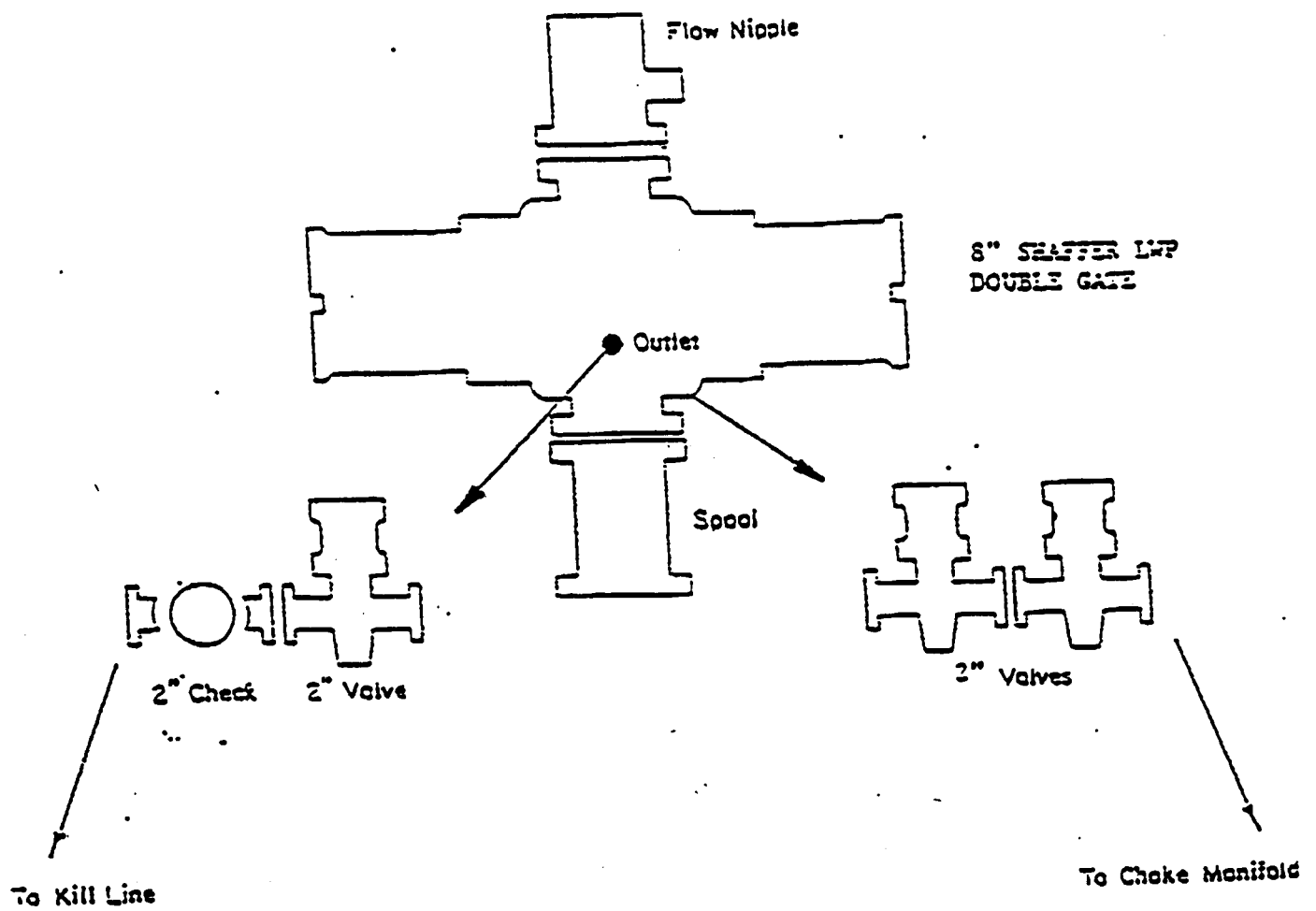
- D. All ram-type preventers and related control equipment shall be tested at the rated working pressure of the stack assembly or at 70 percent of the minimum internal yield pressure of the casing, whichever is less. Tests shall be done at the time of installation, prior to drilling out, and weekly. All tests shall be for a period of 15 minutes.

5. Auxiliary Equipment:

- A. Full opening safety valve on rig floor



# CHANDLER DRILLING



**II. SURFACE USE PLAN  
CHANDLER & ASSOCIATES, INC.  
DESERT SPRING FEDERAL #20-1**

1. Existing Road:

- A. Topo Map "A" is the vicinity map, showing the access routes from Myton, Utah.
- B. Topo Map "B" shows the proposed access road to each individual well. It also shows existing roads in the immediate area.
- C. The existing and proposed access road, unless otherwise stated, shall be crowned, ditched, and dipped from the nearest improved road.
- D. Occasional maintenance blading and storm repairs will keep roads in good condition.
- E. There shall be no mud blading on the access road. Vehicles may be towed through the mud provided they stay on the roadway.

2. Planned Access Roads:

The proposed access road, will be crowned, ditched, and dipped.

- A. Maximum grade will be 8% or less, unless otherwise stated.
- B. No turnouts will be required.
- C. Low water crossings to be placed in Proposed Access road during drilling process and culverts may be installed at a later date.
- D. Road surface material will be that native to the area.

Chandler & Associates, Inc.  
Desert Spring Federal #20-1

- E. No cattle guard will be required.
- F. The proposed access road was flagged at the time the location was staked.
- G. The area authorized officer will be contacted at least 24 hours prior to commencing construction of the access road and well pad.
- H. The backslopes of the proposed access roads will be no steeper than vertical or 1/4:1 in rock; and 2:1, elsewhere.

The operator or his contractor will notify the B.L.M. office at least 48 hours prior to commencement of any work on these locations, roadways, or pipelines.

3. Location of Existing Wells:

None

4. Location of Existing and/or Proposed Facilities:

- A. All Petroleum Production Facilities are to be contained within the proposed location sites.
- B. In the event that production of these wells is established, the following will be shown:
  - 1. Proposed location and attendant lines, by flagging, if off well pad.
  - 2. Dimensions of facilities.
  - 3. Construction methods and materials.

Chandler & Associates, Inc.  
Desert Spring Federal #20-1

- C. The area used to contain the proposed production facilities will be built using native materials. If these materials are not acceptable, then other arrangements will be made to acquire them from private sources. These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.
- D. All permanent facilities placed on the locations shall be painted a non-reflective color which will blend with the natural environment.
- E. A dike shall be constructed around the tank battery, of sufficient capacity to adequately contain at least 110 percent of the storage capacity of the largest tank within the dike.
- F. All buried pipelines shall be covered to a depth of 3 feet except at road crossings where they shall be covered to a depth of 4 feet.
- G. Construction width of the right-of way/pipeline route shall be restricted to 30 feet of disturbance.
- H. Pipeline location warning signs shall be installed within 90 days upon completion of construction.

5. Location and Type of Water Supply:

Water will be obtained from p.o.d. (sw/nw/sw) of Section 34, T3S, R2W, U.S.B.&M. Permit #43-1721, Certificate #5421 and transported by truck along the access roads which are shown on the attached topo maps.

No water wells are to be drilled.

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6. Source of Construction Materials:

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads from the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing B.L.M. Land are described under item #2 and shown on Map #B.

All Construction material for these location sites and access roads shall be borrow material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, but if it is required, the appropriate actions will be taken to acquire it from private sources.

- C. All well pad surface disturbance area is on B.L.M. lands

7. Methods for Handling Waste Disposal:

- A. Drill cuttings will be buried in the reserve pit when covered.
- B. Drilling fluids will be contained in the reserve pit.
- C. Any hydrocarbon liquids produced while production testing will be contained in a test tank. Any unavoidable spills of oil or other adverse substances or materials will be removed immediately during drilling progress or during completion operations.
- D. Portable chemical toilets will be provided and serviced by a local commercial sanitary service.

Chandler & Associates, Inc.  
Desert Spring Federal #20-1

- E. Garbage and trash will be collected in a trash cage and its contents hauled to a sanitary landfill.

All wastes caused by the construction activities shall be promptly removed and disposed of in a sanitary landfill or as directed by the authorized officer.

- F. Prior to commencement of drilling, the reserve pit will lined with a min. 10 mil liner over an adequate amount of straw bedding. It will also be fenced on three sides using 39-inch net wire with at least one (1) strand of barbed wire. All wire is to be stretched before attaching to corner posts. When drilling activities are completed it will be fenced on the fourth side and allowed to dry (if liquids are present). After drying, the fences will be removed and the pit shall be buried. Reclamation will be undertaken no later than the fall of the year after all drilling activity has ceased.

8. Ancillary Facilities:

No air strips, camps, or other living facilities will be built off the location. Housing and office trailers will be on the location as seen on the location layout.

9. Well Site Layout:

- A. See attached cutsheet.
- B. The areas authorized officer will be contacted at least 24 hours prior to commencing construction of the access road and well pad.
- C. The authorized officer will determine after the location is constructed whether the pit is to be lined, and if so, the type of material to be used.
- D. Topsoil shall be stripped to a depth of 4 to 6 inches and stockpiled as shown on the location layout plat.
- E. The backslopes of the locations will be no steeper than vertical or 1/4:1 in rock, and 2:1 elsewhere.

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Desert Spring Federal #20-1

- F. The upper edges of all cut banks on the access roads and well pads will be rounded.
- G. Catchment ponds to be placed as required to intercept drainage re-routes.

10. Plans for Restoration:

- A. Immediately upon completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.
- B. Before any dirt work to restore the location takes place, the reserve pit must be completely dry. The reserve pit will be reclaimed within 90 days from the date of well completion.
- C. The area officer shall be notified at least 48 hours prior to commencing reclamation work.
- D. All disturbed areas will be seeded with the a mixture which is found suitable by the B.L.M.
- E. The seed bed will be prepared by disking, following the natural contour. Drill seed on contour at a depth no greater than ½ inch. In areas that cannot be drilled, the seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed is recommended.
- F. Fall seeding will be completed after September, and prior to prolonged ground frost.

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- G. If the well is a producer, access roads will be upgraded and maintained as necessary to prevent soil erosion, and accommodate year round traffic. Areas unnecessary to operations will be reshaped, topsoil distributed, and seed distributed according to the above mixtures. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.
- H. If the well is abandoned or is a dry hole, the access road and location will be restored to approximate the original contours. During reclamation of the site the fill material will be pushed into cuts and up over the backslope. No depressions will be left that would trap water or form ponds. Topsoil will be distributed evenly over the location and seeded according to the above mixture. The access road and the location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.
- I. Annual or noxious weeds shall be controlled on all disturbed areas. Method of control shall be by an approved mechanical method or an Environmental Protection Agency (EPA) registered herbicide. All herbicide application proposals must be approved. Application of herbicides must be under direct field supervision of an EPA certified pesticide applicator.

11. Other Information:

- A. The area is used by man for the primary purpose of grazing domestic livestock.

All activity shall cease when soils or road surfaces become saturated to a depth of three inches, unless otherwise approved by the Authorized Officer.

If any fossils are discovered during construction, the operator shall cease construction immediately and notify the Authorized Officer so as to determine the significance of the discovery.

- B. A Class III cultural resource inventory has been completed prior to disturbance by a qualified professional Archaeologist.



Chandler & Associates, Inc.  
Desert Spring Federal #20-1

C. The B.L.M. considers the development of groundwater resources to be necessary and frequently indispensable to effective land management. Therefore, any groundwater intercepted by the party conducting mineral exploration shall be reported to the authorized officer immediately including approximate quantities and a sample in a sealed quart container. The B.L.M. shall have the first opportunity to file State water rights for the intercepted groundwater. The undersigned may file for water rights only with a written waiver from the State.

D. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

whether the materials appear eligible for the National Register of Historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and a time frame for the AO to complete an expedited review under 36 CFR 800-11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

Chandler & Associates, Inc.  
Desert Spring Federal #20-1

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, an operator will then be allowed to resume construction.

- E. Less than 10,000 pounds of any chemical(s) from EPA's Consolidated list of Chemicals Subject to Reporting Under Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986, and less than threshold planning quantity (TPQ) of any extremely hazardous substances(s), as defined in 40 CFR, would be used, produced, transported, stored, disposed, or associated with the proposed action.

12. Lessee's or Operator's Representative:

Mr. Terry J. Cox  
Vice President of Operations/Production  
Chandler & Associates, Inc.  
475 Seventeenth Street  
Suite 1000  
Denver, Colorado 80202  
Telephone #(303)295-0400


Chandler & Associates, Inc.  
Desert Spring Federal #20-1

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite(s) and access route(s); that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by **Chandler & Associates, Inc.**, and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

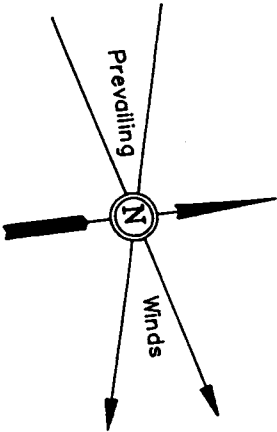
This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

7-8-97  
Date

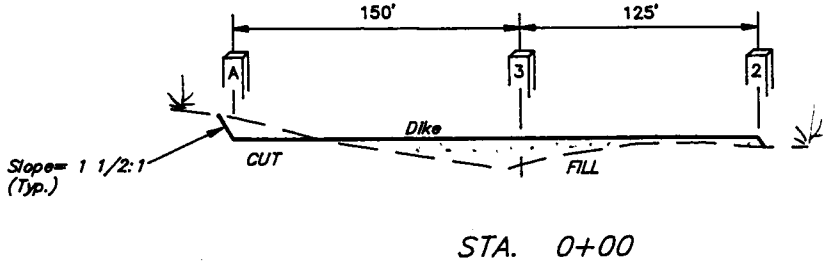
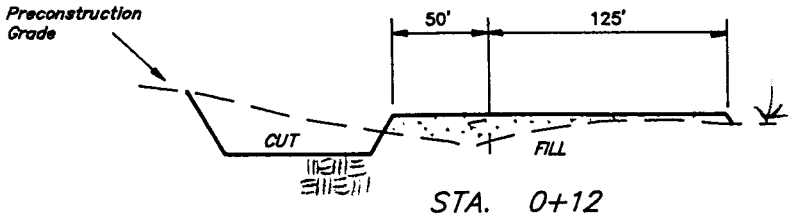
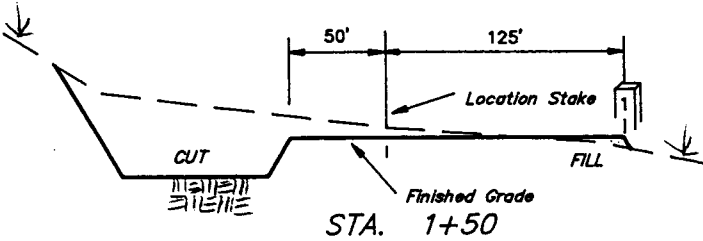
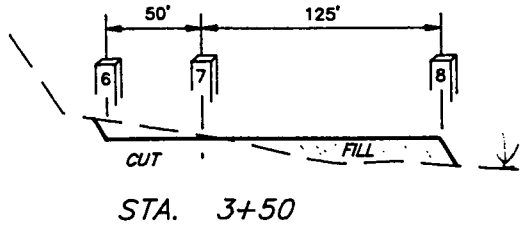
  
Tracy D. Henline  
Agent

CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR  
DESERT SPRING FED. #20-1  
SECTION 20, T10S, R18E, S.L.B.&M.



SCALE: 1" = 50'  
DATE: 12-27-90  
Drawn By: T.D.H.  
REVISED: 7-15-97 D.COX



TYP. LOCATION LAYOUT  
TYP. CROSS SECTIONS

APPROXIMATE YARDAGES

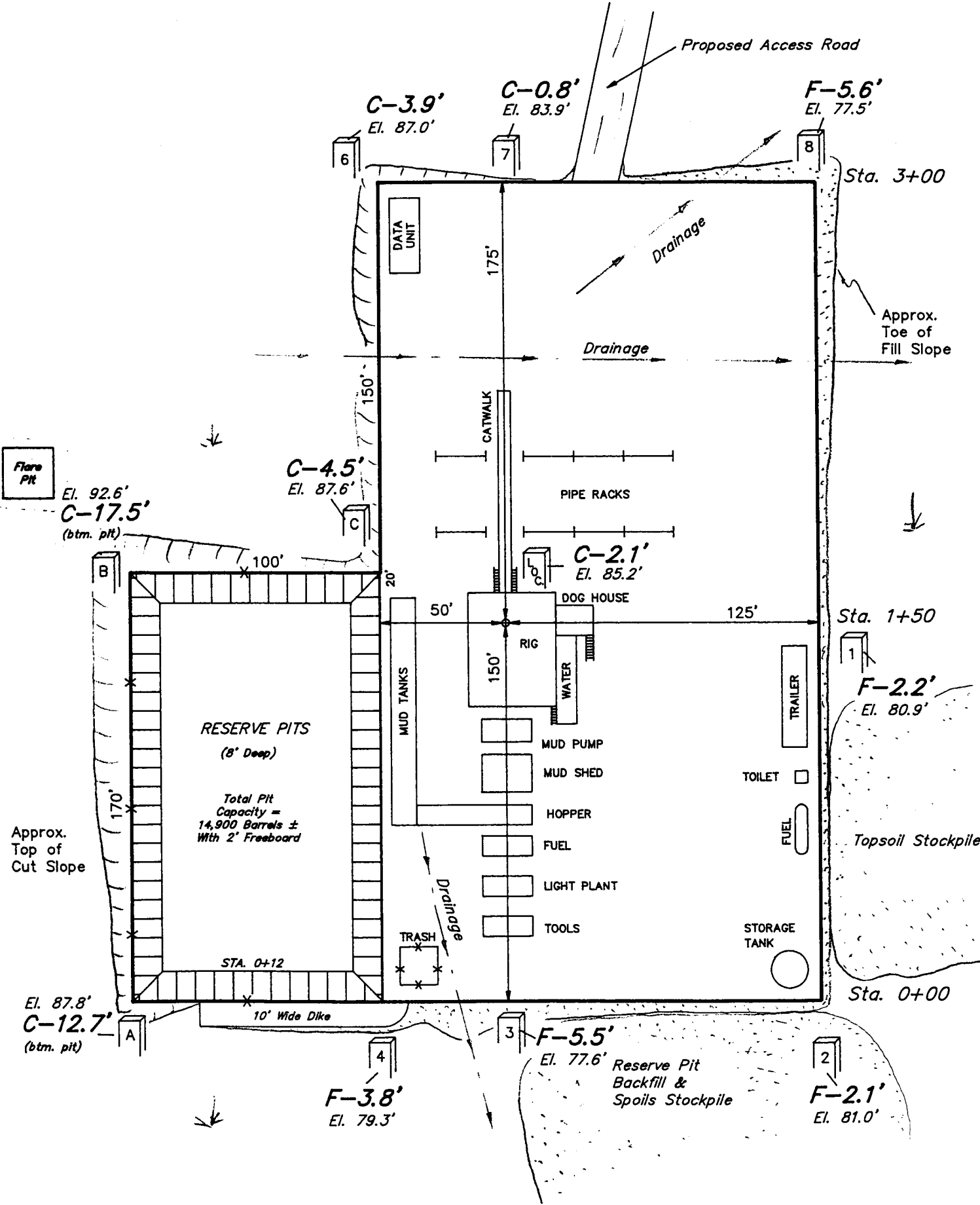
CUT	
(6") Topsoil Stripping	= 1,370 Cu. Yds.
Remaining Location	= 7,900 Cu. Yds.
TOTAL CUT	= 9,270 CU.YDS.
FILL	= 5,520 CU.YDS.

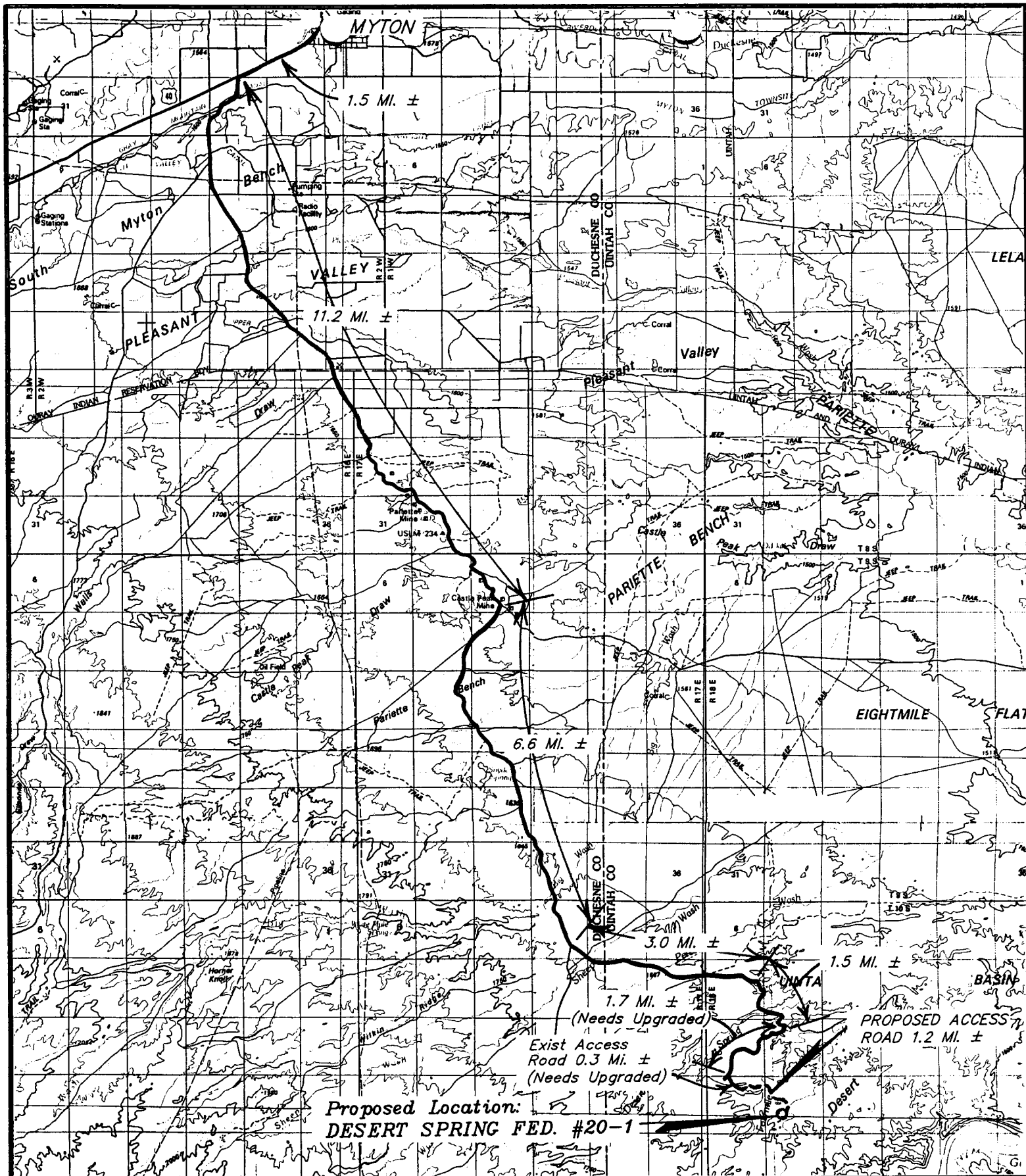
EXCESS MATERIAL AFTER 5% COMPACTION	= 3,460 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,440 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 20 Cu. Yds.

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5385.2'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5383.1'

UINTAH ENGINEERING & LAND SURVEYING  
85 South 200 East Vernal, Utah

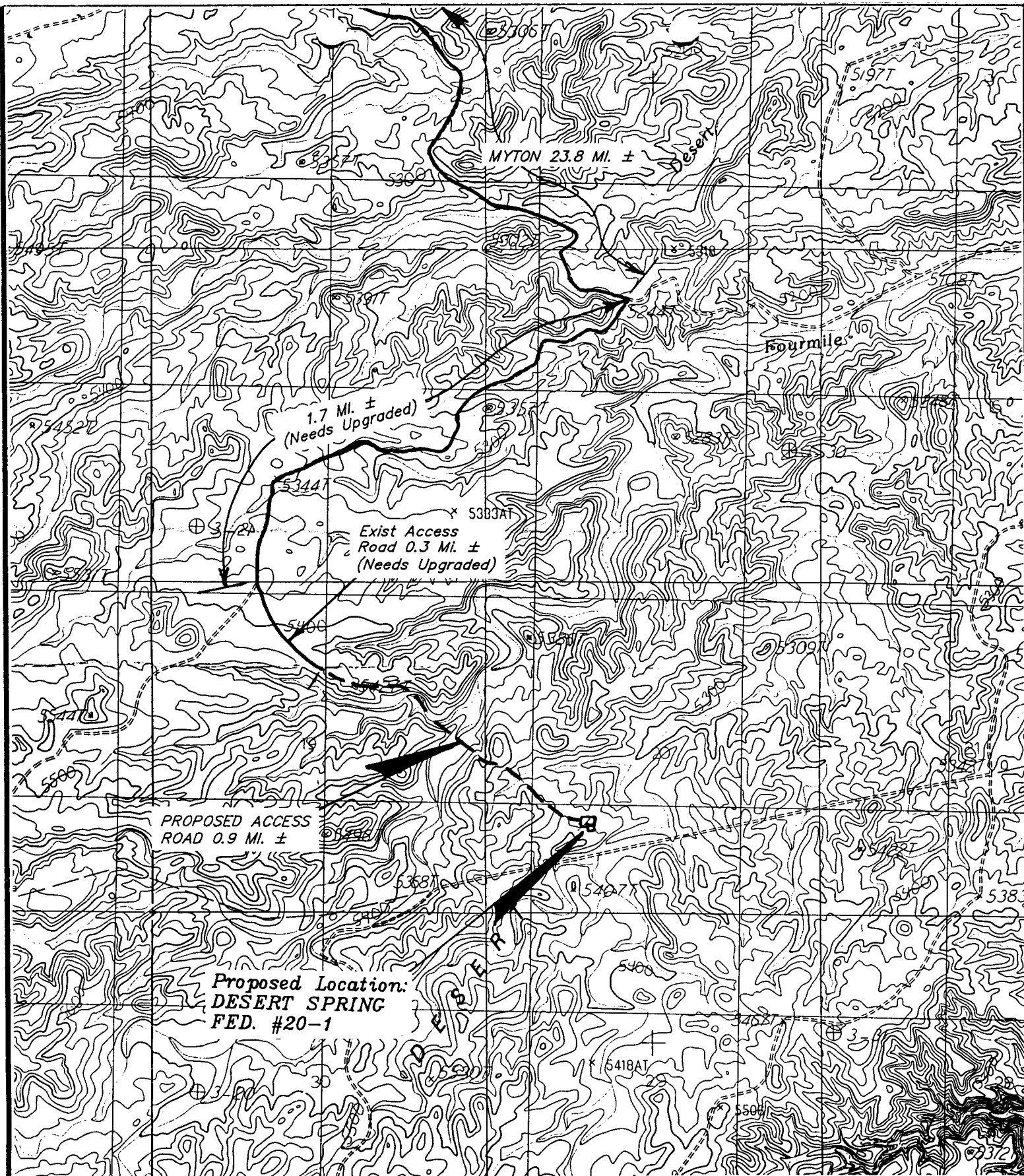




CHANDLER & ASSOCIATES, INC.

DESERT SPRING FED. #20-1  
SECTION 20, T10S, R18E, S.L.B.M.

REVISED: 7-15-97 D.COX



**TOPOGRAPHIC  
MAP "B"**

DATE: 6-27-97  
Drawn by: D.COX

**CHANDLER & ASSOCIATES, INC.**

DESERT SPRING FED. #20-1  
SECTION 20, T10S, R18E, S.L.B.M.  
REVISED: 7-15-97 D.COX

DESERT SPRING  
FEDERAL #20-1

PROPOSED PIPELINE

EXISTING PIPELINE

TIE IN AT EXISTING  
PIPELINE

APPROX. PIPELINE SLOPE DISTANCE FROM PIPELINE TO EDGE OF PAD = 1318'

TOPOGRAPHIC  
MAP

LEGEND

- EXISTING PIPELINE
- ===== Proposed Pipeline

REVISED: 7-15-97 D.COX

CHANDLER & ASSOCIATES, INC.

PROPOSED PIPELINE RIGHT-OF-WAY FOR  
DESERT SPRING FEDERAL #20-1  
SECTION 20, T10S, R18E, S.L.B.&M.

DATE 10-11-91



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/16/97

API NO. ASSIGNED: 43-047-32052

WELL NAME: DESERT SPRING FED #20-1 (RE)  
OPERATOR: CHANDLER & ASSOCIATES (N3320)

PROPOSED LOCATION:

NESW 20 - T10S - R18E  
SURFACE: 1405-FSL-1596-FWL  
BOTTOM: 1405-FSL-1596-FWL  
UINTAH COUNTY  
WILDCAT FIELD (001)

LEASE TYPE: FED  
LEASE NUMBER: UTU - 74836

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number 124290364)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number 43-1721)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
\_\_\_ R649-3-2. General.  
☒ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_ Date: \_\_\_\_\_

COMMENTS: EXCEPTION GRACING REQUESTED.

STIPULATIONS: 1. Prior to commencement of drilling, the operator shall provide proper written application to the Division for an exception location in accordance with R649-3-3 of the Oil and Gas Conservation General Rules.

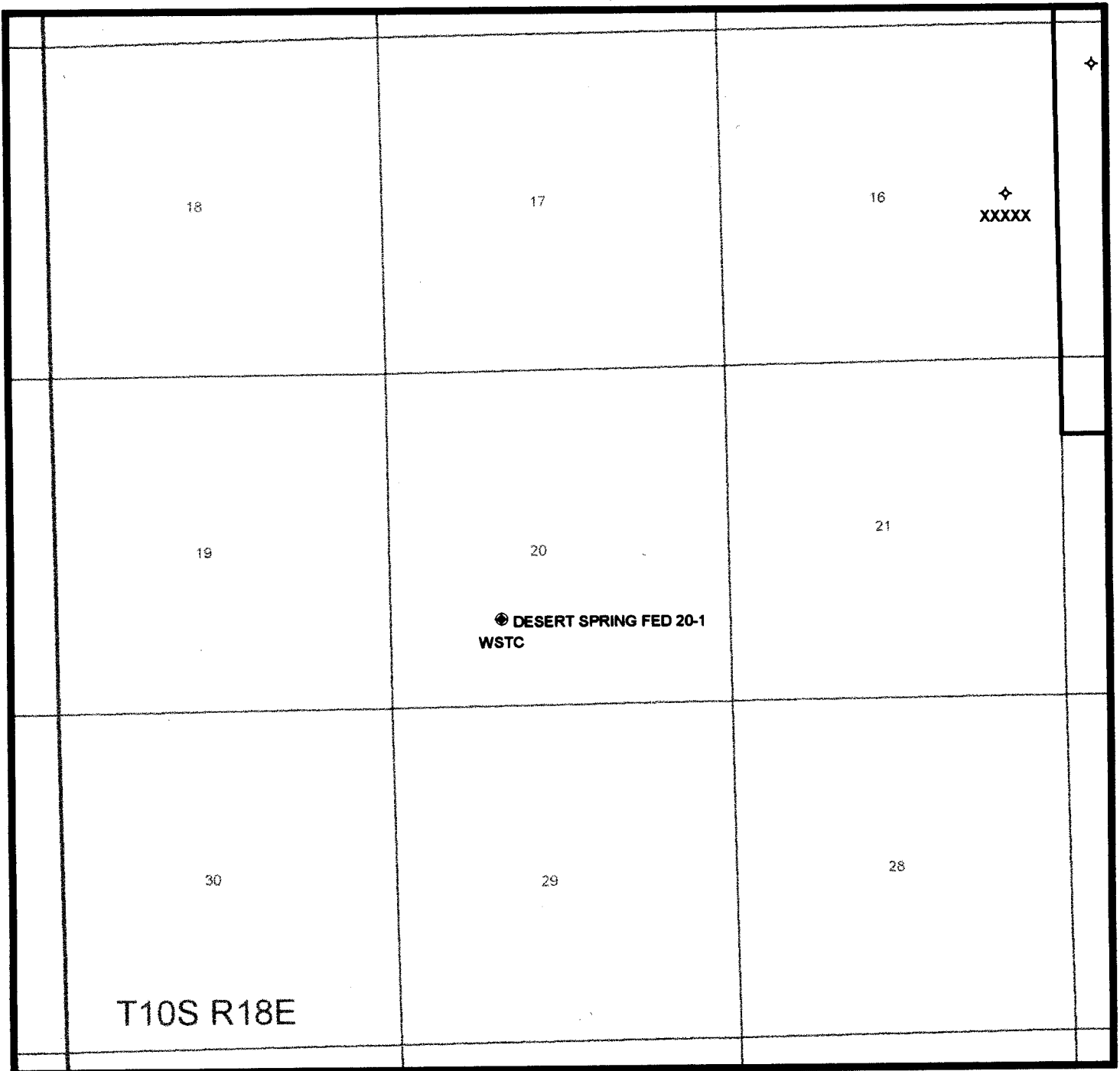


**OPERATOR: CHANDLER & ASSOCIATES (N3320)**

**FIELD: UNDESIGNATED (002)**

**SEC, TWP, RNG: SEC. 20, T10S, R18E**

**COUNTY: UINTAH UAC: R649-3-3**



**PREPARED:  
DATE: 18-JULY-97**



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

August 18, 1997

Chandler & Associates, Inc.  
475 17th Street, Suite 1000  
Denver, Colorado 80202

Re: Desert Spring Federal 20-1 (Re-entry) Well, 1405' FSL, 1596' FWL, NE SW, Sec. 20, T. 10 S., R. 18 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to re-enter and drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32052.

Sincerely,

John R. Baza  
Associate Director

lwp

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

Operator: Chandler & Associates, Inc.  
Well Name & Number: Desert Spring Federal 20-1 (Re-entry)  
API Number: 43-047-32052  
Lease: UTU-74836  
Location: NE SW Sec. 20 T. 10 S. R. 18 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions..

4. Prior to commencement of drilling, the operator shall provide proper written application to the Division for an exception location in accordance with R649-3-3 of the Oil and Gas Conservation General Rules.

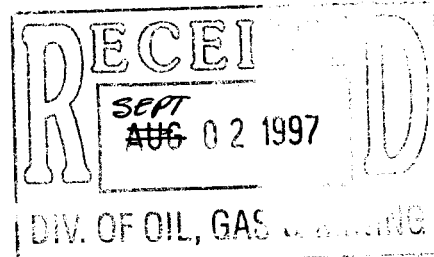


**CHANDLER & ASSOCIATES, INC.**

475 17TH ST. • SUITE 1000 • DENVER, COLORADO 80202 • 303 295-0400  
OIL & GAS EXPLORATION AND PRODUCTION FAX 303 295-0222

August 19, 1997

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114  
ATTN.: Mr. Mike Hebertson



Dear Mr. Hebertson:

Chandler and Associates, Inc. respectfully requests an exceptional location variance to the Green River Formation statewide 40 acre spacing order for our proposed reentry of the Desert Springs Federal #20-1, Lease # UTU-74836.

This well was originally drilled and completed by ANR Production Company ( API #43-047-32052, Lease # UTU-64420) as a Wasatch test and was subsequently plugged and abandoned in July 1993.

Chandler and Associates, Inc. feels that the existing well bore in the Desert Springs Federal #20-1 is in an excellent geological position to test the lower Green River Formation.

Sincerely,

Terry J. Cox  
Vice President Operations and Engineering

Encl.: APD & Land Plat

**COPY**  
UNITED STATES

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Chandler & Associates, Inc.

3. ADDRESS AND TELEPHONE NO.

475 17th Street, Suite 1000 Denver, CO 80202 (303)295-0400

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1,596' FWL 1,405' FSL (NE/SW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 27 miles Southeast of Myton, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1,596'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

4,650'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,363' GR

22. APPROX. DATE WORK WILL START\*

A.S.A.P.

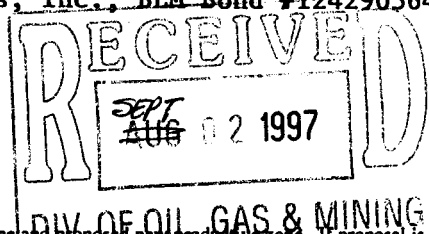
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	8 5/8" K-55	24.0#	0-262'	Casing in Place
	5 1/2" K-55	17.0#	0-7236'	Casing in Place

It is proposed to re-enter the existing wellbore of the Desert Spring Federal #20-1 that was Plugged and Abandoned July 21, 1993. The previous Lease No. was UTU-64420 and the API#43-047-32052. The Green River intervals 4,664'-4,674' and 4,540'-4,550' will be tested after drilling out the cement plugs to a depth of 4,650'.

I hereby certify that I am responsible by the terms and conditions of the lease to conduct lease operations. Bond Coverage pursuant to 43 CFR 3104 for lease activities is being provided by Chandler & Associates, Inc., BLM Bond #124290364 with CNA.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

Tracy D. Henline

TITLE Agent for Chandler

DATE 7/8/97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

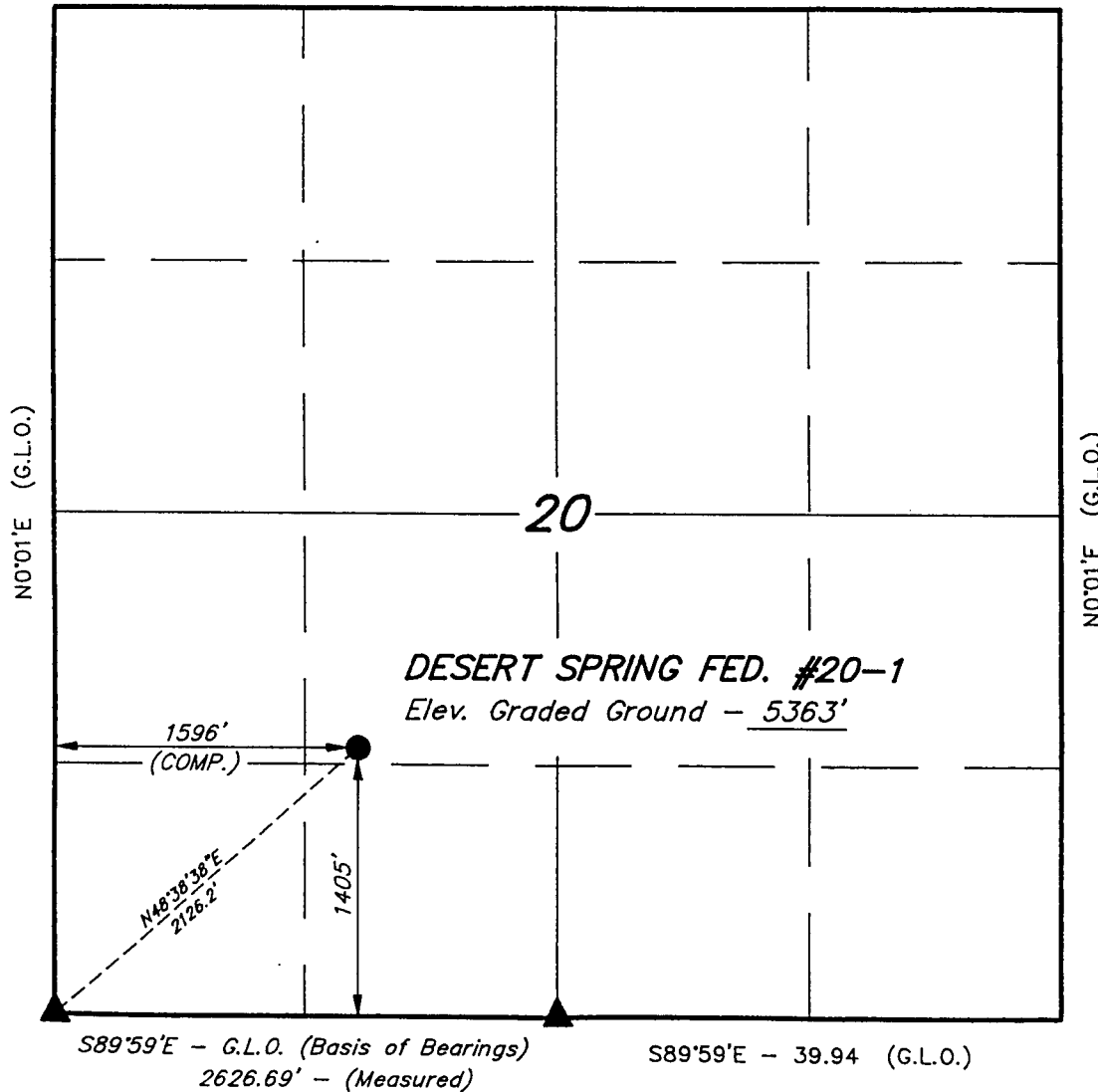
DATE

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*T10S, R18E, S.L.B.&M.*

S89°58'E - 79.90 (G.L.O.)



S89°59'E - G.L.O. (Basis of Bearings)  
2626.69' - (Measured)

S89°59'E - 39.94 (G.L.O.)

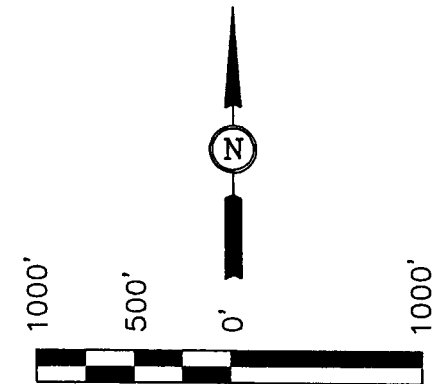
▲ = SECTION CORNERS LOCATED. (Brass Caps)

CHANDLER & ASSOCIATES, INC.

Well location, DESERT SPRING FED. #20-1,  
located as shown in the NE 1/4 SW 1/4  
of Section 20, T10S, R18E, S.L.B.&M.  
Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK LOCATED IN THE SE 1/4 OF SECTION  
32, T9S, R18E, S.L.B.&M. TAKEN FROM THE CROW  
KNOLL QUADRANGLE, UTAH, 7.5 MINUTE SERIES  
(TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED  
STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL  
SURVEY. SAID BENCH MARK IS MARKED AS BEING  
5244 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

NO. 5709  
*Robert L. Cox*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 5709  
STATE OF UTAH

REVISED: 7-15-97 D. COX

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX 1758 - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 12-28-90
PARTY L.D.T. G.T. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE COASTAL OIL & GAS CORP.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Chandler &amp; Associates, Inc.

## 3. ADDRESS AND TELEPHONE NO.

475 17th Street, Suite 1000 Denver, CO 80202 (303)295-0400

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

1,596' FWL 1,405' FSL (NE/SW)

At proposed prod. zone

Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 27 miles Southeast of Myton, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1,596'

## 16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

## 19. PROPOSED DEPTH

4,650'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,363' GR

## 22. APPROX. DATE WORK WILL START\*

A.S.A.P.

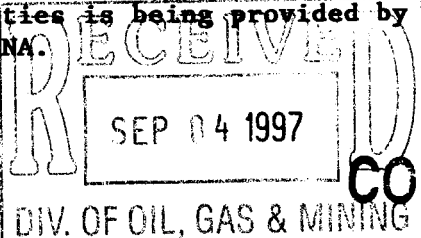
## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

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	8 5/8" K-55	24.0#	0-262'	Casing in Place
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It is proposed to re-enter the existing wellbore of the Desert Spring Federal #20-1 that was Plugged and Abandoned July 21, 1993. The previous Lease No. was UTU-64420 and the API#43-047-32052. The Green River intervals 4,664'-4,674' and 4,540'-4,550' will be tested after drilling out the cement plugs to a depth of 4,650'.

I hereby certify that I am responsible by the terms and conditions of the lease to conduct lease operations. Bond Coverage pursuant to 43 CFR 3104 for lease activities is being provided by Chandler & Associates, Inc., BLM Bond #124290364 with CNA.



RECEIVED

JUL 15 1997

CONDITIONS OF APPROVAL ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

Tracy D. Henline

TITLE Agent for Chandler

DATE 7/8/97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

Assistant Field Manager  
Mineral Resources

AUG 14 1997

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Chandler & Associates

Well Name & Number: Desert Springs Federal 20-1

API Number: 43-047-32052

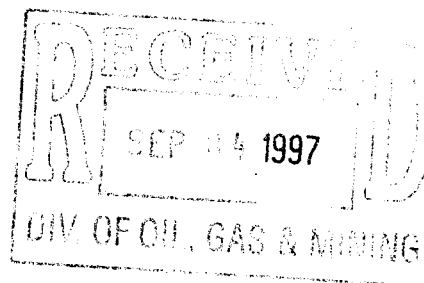
Lease Number: U - 74836

Location: NESW Sec. 20 T. 10S R. 18E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Re-entry Notice                 | - | at least twenty-four (24) hours prior to re-entering the wellbore.  |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.





### **CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

The re-entry of this wellbore is approved to a depth of **4650 ft. only**. Should you decide to go deeper than 4650 ft, you will need to get approval from the authorized officer before proceeding deeper.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. **DRILLING PROGRAM**

1. **Pressure Control Equipment**

The BOP and related equipment shall be a functionally operable **2M** system installed and function tested prior to initiating drill out of any plugs.

2. **Mud Program and Circulating Medium**

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

3. **Coring, Logging and Testing Program**

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement, if one has not already been run, and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4.

4. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

5. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert (801) 789-4170  
Petroleum Engineer

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

**EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES**

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PROGRAM**  
Conditions of Approval (COAs)

Proposed Production Facilities

All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units, will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL

The reserve pit shall be lined with a synthetic liner that is a minimum of 12 mil thickness with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

Plans For Reclamation Of Location

When reclaiming the reserve pit, the pit liner will be torn and perforated before backfilling the reserve pit and the torn liner will be buried a minimum of four (4) feet deep.

The reserve pit and those portions of the location not needed for production facilities and/or operations shall be reclaimed and recontoured in accordance with the APD.

Stockpiled topsoil shall then be spread over the rehabilitated areas to approximate the original topsoil thickness.

Immediately after spreading, the rehabilitated areas and the remaining topsoil stockpile shall be seeded by drilling with the following seed mixture:

nuttalls saltbush	Atriplex nuttalli v. cuneata	3 lbs/acre
Shadscale	Atriplex confertifolia	3 lbs/acre
Fourwing saltbush	Atriplex canescens	4 lbs/acre
Galleta	Haliaria jamesii	2 lbs/acre

If the seed mixture is to be aerially broadcast, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Upon final abandonment if additional recontouring is needed for these areas, the topsoil shall be removed prior to the final recontouring.

All topsoil shall be spread over the recontoured surface.

At time of final abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to **blend all cuts, fills, road berms, and borrow ditches to be natural in appearance** with the surrounding terrain. After recontouring of the area any stockpiled topsoil will be spread over the surface, and the area reseeded and revegetated to the satisfaction of the authorized officer of the BLM. Contact the authorized officer of the BLM at the time of reclamation for the required seed mixture.

The operator or their contractor shall contact the BLM office at (801)789-1362, 48 hours prior to construction activities.

**Raptor Habitat**

If this is a producing well the operator is required to install a hospital type muffler or a multicylinder engine to the pumping unit to limit noise impacts to nesting raptor species.



**CHANDLER & ASSOCIATES, INC.**

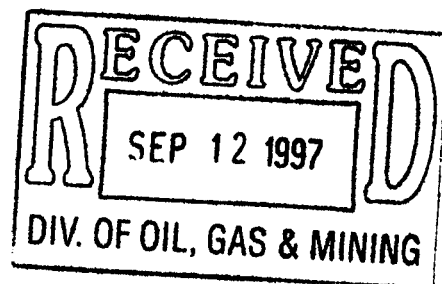
475 17TH ST. • SUITE 1000 • DENVER, COLORADO 80202 • 303 295-0400

OIL & GAS EXPLORATION AND PRODUCTION

FAX 303 295-0222

September 10, 1997

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114  
ATTN.: Mr. Mike Hebertson



Re: Request for Exception to Spacing  
Desert Spring Federal #20-1  
SW SW Section 20, T10S, R18E  
Federal Lease UTU-74836

Dear Mr. Hebertson:

By letter dated September 19, 1997, Chandler & Associates, Inc. has requested an exception to spacing for the referenced well. In that letter I neglected to include the required information regarding owners within a 460 foot radius of the proposed well location. This letter is to advise you that Chandler & Associates, Inc. holds the leases within that area. Attached is a lease plat indicating the lease hold of Chandler & Associates, Inc. in the immediate vicinity. The Chandler leases are presented in yellow. There are no directly or diagonally offsetting drilling units.

If you have any further questions, please feel free to contact me.

CHANDLER & ASSOCIATES, INC.

  
Terry J. Cox

Vice President Operations and Engineering

Encl.: Land Plat





Expires: February 28, 1995

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

**UTU-74836**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**NA**

7. UNIT AGREEMENT NAME

**NA**

8. FARM OR LEASE NAME, WELL NO.

**Desert Springs 20-1**

9. API WELL NO.

**43-047-32052**

10. FIELD AND POOL OR WILDCAT

**Wildcat**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

**Sec. 20, T10S, R18E**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW ☐ WORK ☐ DEEP- ☐ PLUG ☐ DIFF. ☐ Other **Re-Entry**

2. NAME OF OPERATOR

**Chandler & Associates, Inc.**

3. ADDRESS AND TELEPHONE NO.

**475 17th Street, Suite 1000, Denver, CO 80202 Rangely - 970-675-8451**

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

**1596' FWL 1405' FSL NESW**

At top prod. Interval reported below

**Same**

At total depth

**Same**

14. PERMIT NO.

DATE ISSUED

**08/14/97**

12. COUNTY OR PARISH

**Utah**

13. STATE

**Utah**

15. DATE SPUNDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

19. ELEV. CASINGHEAD

**10/25/97**

**11/04/97**

**11/25/97**

**5363' GR, 5377' KB**

**5364'**

20. TOTAL DEPTH, MD & TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,

23. INTERVALS

ROTARY TOOLS

CABLE TOOLS

**4780 MD**

**4780 TVD**

**4709 TD**

**4709 MD**

**4709 TVD**

**2**

DRILLED BY

**XX**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

**4540'-4550' Lower Green River "A" Sand**

**4664'-4674' Lower Green River "C" Shoal**

25. WAS DIRECTIONAL SURVEY MADE

**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**None**

27. WAS WELL CORED

**No**

23.

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" J-55 ST&C	24#	262'		Cemented w/150 sx	None
5-1/2" J-55 LT&C	17#	7236'		Cemented w/210 sx Hi-Fill & 570 sx 50/50 Poz	None

29.

LINER RECORD

30.

TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-7/8"	4701'	

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
4534'-4544'	4 jpf	40
4662'-4670'	4 jpf	32

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4534'-4544'	42,600# 20/40 & 22,700# 16/30
4662'-4670'	43,600# 20/40 & 22,800# 16/30

33.\*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in)	
N/A		Shut-in						
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD.N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.		GAS-OIL RATIO
No Test			→					
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.		WATER--BBL.		OIL GRAVITY-API (CORR.)
		→		RECEIVED				TC

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)

**None**

35. LIST OF ATTACHMENTS

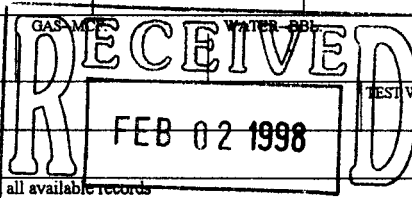
**Wellbore Diagram**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED James A. Smith TITLE Operator/Production Supervisor DATE 01/26/98

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



WTC  
5-19-99  
RJR

Well Name: **Desert Springs Fed. 20-1**  
Location: **NESW Sec. 20, T10S, R18E**  
Field: **Wildcat**  
Spud Date: **Re-entry - 10/25/97**  
Completed: **11/25/97**

Date: **12/1/97**  
County: **Uintah**  
State: **Utah**  
KB: **5377'**  
GL: **5363'**

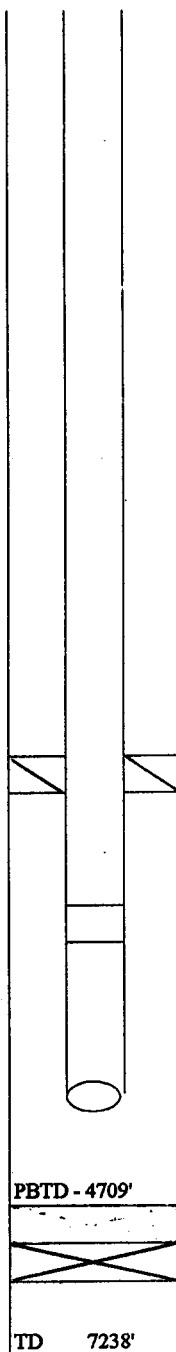
Surface Casing →  
8-5/8" 24# J-55 set @ 262'  
Cemented w/150 sx

Production Casing →  
5-1/2 17# J-55 set @ 7236'  
Cemented w/210 sx Hi-Fill &  
570 sx 50/50 Poz

Tubing (11/24/97 - KB depths) →  
Tubing head is an 8-5/8" 8rd independent  
from Frontier w/slips in bowl  
145 jts 2-7/8" EUE 8rd 6.5# J-55 blue &  
green band.  
"T" anchor (RH set w/15M# tension)  
@ 4513' →  
5 jts. 2-7/8" EUE (150 jts.)

SN @ 4669' →  
1 jt. 2-7/8" EUE (151 jts.)

NC (tubing tail) @ 4701' →



**Rod & Pump Detail (Top to bottom)**

Polish Rod: 1-1/4" x 22' w/1-1/2" liner

1 - 4' x 7/8" pony rod

1 - 6' x 7/8" pony rod

60 - 7/8" plain rods (1500')

118 - 3/4" plain rods (2950')

7 - 3/4" guided rods (175')

Pump: Trico 2-1/2" x 1-3/4" x 16' RHAC

= 1300' Squeeze hole tested OK to 1000#

= 2000' Squeeze hole tested OK to 1000#

Perfs: (cased hole depths)

4534' - 4544' "A" sand, 4 JPF (40 holes)

Frac w/Delta X using 42,600# 20/40 &  
22,700# 16/30

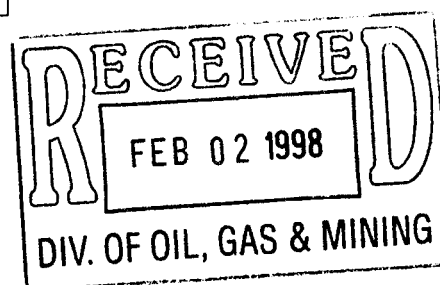
= 4662' - 4670' "C" shoal, 4 JPF (32 holes)

Frac w/Delta X using 43,600# 20/40 &  
22,800# 16/30

PBTD - 4709'

← Cement retainer @ 4909'

TD 7238'



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-74836

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Desert Springs 20-1

9. API Well No.

43-047-32052

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Chandler & Associates, Inc.

3. Address and Telephone No.

475 17th Street, Suite 1000, Denver, CO 80202 970-675-8451

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1596' FWL, 1405' FSL (NESW) Sec. 20, T10S, R18E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Report of Test Data & First Sales

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

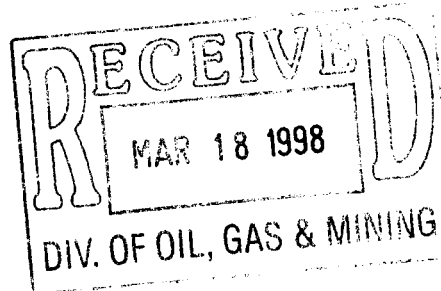
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Date of first production: February 13, 1998

Production method: Pumping

Tests Date & Data: March 5, 1998 for 24 hours. 183 bbls oil, 0 bbls water, 15 MCFD gas (used on lease)  
Tubing pressure - 20#, casing pressure 45#.

Date of first sales: February 16, 1998 180.51 bbls



14. I hereby certify that the foregoing is true and correct

Signed

*James A. Swinton*

Title Operations/Production Supervisor

Date 03/09/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*See Instructions on Reverse Side**

**STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: <u>OIL, GAS AND MINING</u>		3. Lease Designation and Serial Number: <b>UTU - 74836</b>
2. Name of Operator: <b>PENDRAGON ENERGY PARTNERS, INC.</b>		6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: <b>621 17TH STREET, #750, DENVER, CO 80293 (303) 296-9402</b>		7. Unit Agreement Name
4. Location of Well Footage: <b>1405' FSL, 1596' FWL</b> Co. Sec., T., R., M.: <b>SW NE SW SECTION 20, T10S - R18E</b>		8. Well Name and Number: <b>DESERT SPRINGS #20-1</b>
		9. API Well Number: <b>43-047-32052</b>
		10. Field and Pool, or Wellset: <b>LONE MOUNTAIN (GREEN RIVER)</b>
		FIELD County: <b>UINTAH</b> State: <b>UTAH</b>

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>CHANGE OF OPERATOR</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____
	<small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. • Must be accompanied by a cement verification report.</small>

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

OPERATOR CHANGED FROM SHENANDOAH ENERGY, INC. (FORMERLY CHANDLER & ASSOCIATES, INC.) TO PENDRAGON ENERGY PARTNERS, INC. EFFECTIVE MARCH 1, 2000.

BE ADVISED THAT PENDRAGON ENERGY PARTNERS, INC. IS CONSIDERED TO BE THE OPERATOR OF THE ABOVE DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASES FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF. BOND COVERAGE FOR THESE LEASES IS PROVIDED BY STATEWIDE BOND RLB0001758, PRINCIPAL, PENDRAGON ENERGY PARTNERS, INC.

**13.**  
Name & Signature: *Alan E. Nicol* Title: PRESIDENT Date: 2-17-00  
**ALAN E. NICOL**

(This space for State use only)



# CHANDLER & ASSOCIATES, INC.

475 17TH ST. • SUITE 1000 • DENVER, COLORADO 80202 • 303 295-0400  
OIL & GAS EXPLORATION AND PRODUCTION FAX 303 295-0222

Mr. Jim Thompson  
Department of Natural Resources  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Fax: 801-539-3940

Subject: Resignation of Operator,  
West River Bend Project Area

Effective January 31, 2000, Chandler & Associates, LLC resigned as Operator under the West River Bend Project Area. Pendragon Energy Partners Inc. shall be the new Operator of the April 1, 1997 JOA.

Wells included in the West River Bend project Area:

A.P.I. #	ENTITY	WELL NAME	WELL #	LOCATION	FIELD NAME
43-047-33164-00	12496	DESERT SPRING	#16-19-10-18	SESE 19, 10S-18E	DESERT SPRING
43-047-33162-00	12523	DESERT SPRING	#3-29-10-18	NWNE 29, 10S-18E	DESERT SPRING
43-013-31477-00	12248	UTD WALTON	#26-03	NENW 26, 9S-16E	MONUMENT BUTTE
43-047-32754-00	12003	FLU KNOLLS FED.	#23-3	NESW 3, 10S-18E	UTELAND BUTTE
43-047-32052-00	11468	DESERT SPRINGS FED.	#20-1	NESW 20, 10S-18E	WILDCAT
43-047-33163-00		DESERT SPRING	#7-30-10-18	SWNE 30, 10S-18-E	WILDCAT
43-013-32088-00	12497	W. DESERT SPRING	#11-20	NESW 20, 10S-17E	WILDCAT
43-013-32057-00	12497	W. RIVER BEND	#16-17-10-17	SESE 17, 10S-17E	WILDCAT
43-013-31888-00	12497	W. RIVER BEND	#3-12-10-15	NENW 12, 10S-15E	WILDCAT
43-013-32084-00	12497	WILKIN RIDGE	#13-23	SWSW 23, 10S-16E	WILDCAT

Please advise should you require more specific information.

Thanks,  
Tom Taylor

CC: Pendragon Energy Partners Inc.

RECEIVED

JUN 30 2000

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

June 23, 2000

Pendragon Energy Partners, Inc.  
621 17th Street, Ste 750  
Denver, CO 80293

Re: Well No. Desert Spring 20-1  
NESW, Sec. 20, T10S, R18E  
Lease UTU-74836  
Uintah County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Pendragon Energy Partners, Inc. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1167, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Leslie Crinklaw of this office at (435) 781-4410.

Sincerely,

Ed Forsman  
Petroleum Engineer  
Minerals Resources

cc: Division Oil, Gas & Mining

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JUL 12 2000

DIVISION OF  
OIL, GAS AND MINING

<b>STATE OF UTAH</b> <b>DEPARTMENT OF COMMERCE</b> <b>REGISTRATION</b>  <b>PENDRAGON RESOURCES II, L.P.</b>  <b>EFFECTIVE</b> 01/20/2000  <b>EXPIRATION</b> *RENEWAL	<b>REFERENCE NUMBER(S), CLASSIFICATION(S) &amp; DETAIL(S)</b>  <b>Limited Partnership - Foreign</b> 3106986-0181
--	---

C T CORPORATION SYSTEM  
PENDRAGON RESOURCES II, L.P.  
1209 ORANGE ST  
Wilmington DE 19801

**STATE OF UTAH**  
**DEPARTMENT OF COMMERCE**  
**DIVISION OF CORPORATIONS & COMMERCIAL CODE**  
**REGISTRATION**

**EFFECTIVE DATE:** 01/20/2000

**EXPIRATION DATE:** \*RENEWAL

**ISSUED TO:** PENDRAGON RESOURCES II, L.P.



**REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)**

3106986-0181      Limited Partnership - Foreign

**\*RENEWAL**

You will need to renew your registration each anniversary date of the effective date.

Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date.  
Trademarks renew every ten (10) years from the effective date.



## OPERATOR CHANGE WORKSHEET

Check each listed item when completed. Write N/A if item is not applicable.

<input checked="" type="checkbox"/>	4-KAS ✓
2-CDW ✓	5-SJ
3-JLT	6-FILE

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change Only

Merger

The operator of the well(s) listed below has changed, effective: 3-1-00**TO:**(New Operator) PENDRAGON ENERGY PARTNERS INC **FROM:**(Old Operator) CHANDLER & ASSOCIATES INCAddress: 621 17<sup>TH</sup> STREET, STE 750  
DENVER, CO 80293Address: 475 17<sup>TH</sup> STREET, STE 1000  
DENVER, CO 80202TOM TAYLORPhone: 1-(303)-296-9402Phone: 1-(303)-295-0400Account No. N2965Account No. N3320

WELL(S):	CA Nos.	or	Unit
Name: <u>W. DESERT SPRING 11-20</u>	API: <u>43-013-32088</u>	Entity: <u>12497</u>	S <u>20</u> T <u>10S</u> R <u>17E</u> Lease: <u>U-75083</u>
Name: <u>UTD WALTON 26-03</u>	API: <u>43-013-31477</u>	Entity: <u>12248</u>	S <u>26</u> T <u>09S</u> R <u>16E</u> Lease: <u>UTU-67844</u>
Name: <u>DESERT SPRING 16-19-10-18</u>	API: <u>43-047-33164</u>	Entity: <u>12496</u>	S <u>19</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-74408</u>
Name: <u>DESERT SPRING 3-29-10-18</u>	API: <u>43-047-33162</u>	Entity: <u>12523</u>	S <u>29</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-74836</u>
Name: <u>FLU KNOLLS FEDERAL 23-3</u>	API: <u>43-047-32754</u>	Entity: <u>12003</u>	S <u>03</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-68620</u>
Name: <u>DESERT SPRING FED 20-1</u>	API: <u>43-047-32052</u>	Entity: <u>11468</u>	S <u>20</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-64420</u>
Name: <u>DESERT SPRING 7-30-10-18</u>	API: <u>43-047-33163</u>	Entity: <u>          </u>	S <u>30</u> T <u>10S</u> R <u>18E</u> Lease: <u>U-74408</u>

## OPERATOR CHANGE DOCUMENTATION

- YES 1. A pending operator change file has been set up.
- YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 6-30-00.
- YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 2-28-00.
- YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? Yes/No If yes, the company file number is SEE ATTACHED. If no, Division letter was mailed to the new operator on                     .
- YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, name change or operator change for all wells listed above involving Federal or Indian leases on 6-23-00.
- N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on                     .
- N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on                     .

N/A 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 7-6-00.

YES 10. Changes have been included on the **Monthly Operator Change letter** on 7-6-00.

---

### STATE BOND VERIFICATION

N/A 1. State Well(s) covered by Bond No. \_\_\_\_\_.

---

### FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.

N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on \_\_\_\_\_.

N/A 3. The **FORMER** operator has requested a release of liability from their bond as of today's date \_\_\_\_\_? If yes, Division response was made to this request by letter dated \_\_\_\_\_. (see bond file).

N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_, of their responsibility to notify all interest owners of this change.

N/A 5. Bond information added to **RBDMS** on \_\_\_\_\_.

N/A 6. Fee wells attached to bond in **RBDMS** on \_\_\_\_\_.

---

### FILMING

\_\_\_\_ 1. All attachments to this form have been **microfilmed** on 3-26-01.

---

### FILING

\_\_\_\_ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.

\_\_\_\_ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

---

### COMMENTS

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**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**ENTITY ACTION FORM**

Operator: PENDRAGON ENERGY PARTNERS, INC.

Operator Account Number: N 2965

Address: 621 17 TH STREET, STE. 750

city DENVER

state CO

zip 80293

Phone Number: (303) 296-9402

**Well 1**

API Number	Well Name	QQ	Sec	Twp	Rng	County
047-33164	DESERT SPRING #18-19-10-18	SESE	19	10S	18E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
E	12496	14366		11/4/04		
Comments: EFFECTIVE 9/1/04 PART OF UTELAND BUTTE WATERFLOOD GRUV eff 9/1/04						

**Well 2**

API Number	Well Name	QQ	Sec	Twp	Rng	County
047-32052	DESERT SPRING #20-1-10-18	NESW	20	10S	18E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
E	11468	14366		11/4/04		
Comments: EFFECTIVE 9/1/04 PART OF UTELAND BUTTE WATERFLOOD GRUV eff 9/1/04						

**Well 3**

API Number	Well Name	QQ	Sec	Twp	Rng	County
047-33162	DESERT SPRING #3-29-10-18	NWNE	29	10S	18E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
E	12523	14366		11/4/04		
Comments: EFFECTIVE 9/1/04 PART OF UTELAND BUTTE WATERFLOOD GRUV eff 9/1/04						

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

JANEEN FRITTS

Name (Please Print)

*Janeen Fritts*

Signature

ADMIN SECY

Title

11/04/04  
Date

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NOV 04 2004

DIV. OF OIL, GAS & MINING

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

ROUTING	
1. DJJ	
2. CDW	

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**12/15/2009**

<b>FROM: (Old Operator):</b> N2965-Pendragon Energy Partners, Inc. 468 South Reed St. Lakewood, CO 80226  Phone: 1 (303) 296-9402	<b>TO: (New Operator):</b> N5085-Questar E&P Company 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 672-6900
--	---

CA No.				Unit:	UTELAND BUTTE (GRRV)			
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/24/2009
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/24/2009
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/20/2010
- a. Is the new operator registered in the State of Utah:                      Business Number: 764611-0143
- a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: 1/12/2010 ok per DJJ
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 1/12/2010

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 1/20/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 1/20/2010
- Bond information entered in RBDMS on: 1/20/2010
- Fee/State wells attached to bond in RBDMS on: 1/20/2010
- Injection Projects to new operator in RBDMS on: 1/20/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

Pendragon (N2965) to Questar Exploration Production (N5085)

DESERT SPRINGS 20-1	20	100S	180E	4304732052	14366	FEDERAL	OW	S	UTU-74836
DESERT SPRING 3-29-10-18	29	100S	180E	4304733162	14366	FEDERAL	OW	P	U-74836
DESERT SPRING 16-19-10-18	19	100S	180E	4304733164	14366	FEDERAL	OW	P	U-74408
FEDERAL 7-19-10-18	19	100S	180E	4304733244	14366	FEDERAL	WS	A	UTU74408
FEDERAL 5-20-10-18	20	100S	180E	4304733245	14366	FEDERAL	WI	A	UTU74836
FEDERAL 14-17-10-18	17	100S	180E	4304733712	14366	FEDERAL	OW	S	UTU74407
FED 2-20-10-18	20	100S	180E	4304734134	14366	FEDERAL	OW	P	UTU-0182660-A
FED 9-17-10-18	17	100S	180E	4304734135	14366	FEDERAL	WI	A	UTU-77407
DESERT SPRING 7-30-10-18	30	100S	180E	4304734760	14366	FEDERAL	OW	S	U74408
STATE 1-16-10-18	16	100S	180E	4304733807	14366	STATE	OW	P	ML-45175
STATE 3-16-10-18	16	100S	180E	4304734766	14366	STATE	OW	P	ML 45175
STATE 11-16-10-18	16	100S	180E	4304734767	14366	STATE	OW	P	ML 45175

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

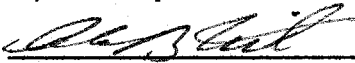
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-64420
2. NAME OF OPERATOR: Questar Exploration & Production Company N5085		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1405' FSL, 1596' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 20 10S 18E S		8. WELL NAME and NUMBER: Desert Springs 20-1
PHONE NUMBER: (303) 672-6900		9. API NUMBER: 4304732052
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Uteland Butte
STATE: UTAH		


11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

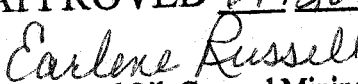
Effective 12/15/09 Questar Exploration & Production Company was appointed operator of this well and agrees to be responsible under the terms and conditions of the lease for all oil and gas operations conducted on this lease. Bond coverage is provided by our bond # 965-003-033.

  
Alan B. Nicol  
President  
Pendragon Energy Partners, Inc. N2965  
468 South Reed Street  
Lakewood, CO 80226  
(303) 296-9402  
Date 12/15/09

  
Jay Neese  
Executive Vice President  
Questar Exploration and Production Company  
1050 17th Street, Suite 500  
Denver, CO 80265  
Date 12-15-2009

NAME (PLEASE PRINT) Chad Matney TITLE Landman  
SIGNATURE  DATE 12-15-2009

(This space for State use only)

APPROVED 01/20/2010  
  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

DEC 24 2009

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET** (for state use only)

ROUTING  
 CDW

Change of Operator (Well Sold)

**X - Operator Name Change**

The operator of the well(s) listed below has changed, effective:

**6/14/2010**

<b>FROM:</b> (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 308-3048	<b>TO:</b> ( New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 308-3048
--	---

CA No.

Unit:

UTELAND BUTTE (GRRV)

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
- a. (R649-9-2) Waste Management Plan has been received on: Requested
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- b. The **FORMER** operator has requested a release of liability from their bond on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)  
 UTELAND BUTTE (GRRV)  
 effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat
DESERT SPRINGS 20-1	20	100S	180E	4304732052	14366	Federal	OW	P
DESERT SPRING 3-29-10-18	29	100S	180E	4304733162	14366	Federal	OW	P
DESERT SPRING 16-19-10-18	19	100S	180E	4304733164	14366	Federal	OW	P
FEDERAL 14-17-10-18	17	100S	180E	4304733712	14366	Federal	OW	P
STATE 1-16-10-18	16	100S	180E	4304733807	14366	State	OW	P
FED 2-20-10-18	20	100S	180E	4304734134	14366	Federal	OW	P
DESERT SPRING 7-30-10-18	30	100S	180E	4304734760	14366	Federal	OW	P
STATE 3-16-10-18	16	100S	180E	4304734766	14366	State	OW	P
STATE 11-16-10-18	16	100S	180E	4304734767	14366	State	OW	P

Bonds: BLM = ESB000024  
 BIA = 956010693  
 State = 965010695



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		8. WELL NAME and NUMBER: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500    Denver    STATE CO    ZIP 80265		9. API NUMBER: Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		10. FIELD AND POOL, OR WILDCAT: See attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: Attached  STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____			

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*

Utah State Bond Number: ~~965003033~~

Fee Land Bond Number: ~~965003033~~ } *965010695*

BIA Bond Number: ~~799446~~ *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) <u>Morgan Anderson</u>	TITLE <u>Regulatory Affairs Analyst</u>
SIGNATURE <i>Morgan Anderson</i>	DATE <u>6/23/2010</u>

(This space for State use only)

**RECEIVED**

**JUN 28 2010**

**DIV. OF OIL, GAS & MINING**

(See Instructions on Reverse Side)

**APPROVED** *6/30/2009*  
*Earlene Russell*  
 Division of Oil, Gas and Mining  
 Earlene Russell, Engineering Technician



## United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:  
3100  
(UT-922)

JUL 28 2010

#### Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office  
From: Chief, Branch of Minerals *Roger L Bankert*  
Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS  
UDOGM

RECEIVED

AUG 16 2010

DIV. OF OIL, GAS & MINERALS

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74836																														
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>																														
<b>2. NAME OF OPERATOR:</b> QEP ENERGY COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> UTELAND BUTTE (GRRVL)																														
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078		<b>8. WELL NAME and NUMBER:</b> DESERT SPRINGS 20-1																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1405 FSL 1596 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 20 Township: 10.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43047320520000																														
<b>9. FIELD and POOL or WILDCAT:</b> UTELAND BUTTE		<b>COUNTY:</b> UINTAH																														
<b>STATE:</b> UTAH																																
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<b>NAME (PLEASE PRINT)</b> Valyn Davis	<b>PHONE NUMBER</b> 435 781-4369	<b>TITLE</b> Regulatory Affairs Analyst																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/26/2012																															

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
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<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																														
<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																														
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> QEP Energy Company requests authorization to plug and abandon the above captioned well per the attached procedure and wellbore diagram. QEP requests this well be placed in Temporarily Abandonment status until the well is plugged in 2017/2018. To ensure that the well remains safe, QEP commits to have an employee review the well on a monthly basis. Final reclamation of this site will commence within one year of plugging the well.																																
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> _____ <b>By:</b> <u>Derek Quist</u> February 14, 2017																																
<b>Please Review Attached Conditions of Approval</b>																																
<b>NAME (PLEASE PRINT)</b> Jan Nelson		<b>PHONE NUMBER</b> 435 781-4331																														
<b>SIGNATURE</b> N/A		<b>TITLE</b> Permit Agent																														
<b>DATE</b> 2/9/2017																																

